



SOCIETATEA POLITEHNICĂ DIN ROMÂNIA BIBLIOTECA	
Nr.	3211
Locul	178

BIBLIOTECA
Societății P. Tehnice
No. 641
D. XIII d. i. C. a.

C. N. I. T.
BIBLIOTECĂ TEHNICĂ
Inreg. Nr. 14.168



BULETINUL
SOCIETATEI POLITECNICE
1890



C: 2.10.1

Q: 06.05.00

ATLAS



BIBLIOTECA
Societății Generale a Inginerilor din România
Nr. Inv. 17168
Locul

INDICAREA PLANSELOR

No. de ordine	No. planșei	CONȚINUTUL PLANȘEI
		Palatul administrativ al căilor ferate române
1	1	Planul subsolului, planul parterului — proiectul <i>Lucru</i>
2	2	» Etagiului I » Etagiului II »
3	3	» subsolului » etagiului II » <i>Lux</i>
4	4	» parterului » etagiului I »
5	5	» subsolului » parterului » <i>Mercur</i>
6	6	» etagiului I » etagiului II »
7		Proporțiunile cele mai favorabile a grinzilor continuu cu deschideri mari
		Docurile din Galați și Brăila
8	1	Plan de situație
9	2	Magazii de cereale: secția longitudinală și orizontală
10	3	» » secții transversale
11	4	» » »
12	5	» » secții transversale. Racordarea cheului cu talusele base- nului. Camera de praf.
13	6	Elevatorii
14	7	Silosuri. Estacadă
		Lucrări hidraulice în principalele porturi din Francia, Anglia, Belgia și Germania.
15	1	Aparat de ridicare, aparat hidraulic simplu, aparate funiculare
16	2	Macara hidraulică mobilă (putere 1250 kg.)
17	3	» » » (» »)
18	4	» » » (» 750 și 1500 kg.)
19	5	» » » (» 1500 kg.)
20	6	» » » (» » »)
21	7	» » » (» 500, 1000 și 1500 kg.)
22	8	Macara hidraulică (putere 40 tone și 120 tone)
23	9	Macara de pivniță (putere 1500 kg.)
24	10	Troliu hidraulic mobil
25	11	Ascensoriu hidraulic
26	12	Cabestan hidraulic (putere 1, 2 și 5 tone)
27	13	» » (putere 500 și 1000 kg., 400 și 800 kg.).
28	14	Galeți pentru transbordamente
		Plug de zăpadă
29		Vedere generală, secție orizontală, longitudinală și transversală

No. de ordine	No. planșei	CONTINUTUL PLANȘEI
		Pod peste Borcea la Fetești
30	1	Profil în lung, plan de situație, secție geologică
31	2	Elevația și planul podului
32	3	Pilele culee și pilele centrale
33	4	Chesoanele pilelor
34	5	Secție orizontală prin talpa de jos
35	6	Contraventuirea transversală
36	7	Detaliuri de îmbinări diagonalelor cu tălpile
37	8	„ „ „ „ „ „
38	9	Elevația panourilor IV și V
39	10	Grinzi transversale și Longeroane
40	11	Aparatele de reazăm pe pile
		Pod peste Dunăre la Fetești
41		Program de execuție, starea lucrărilor la finea anilor 1890, 1891, 1892, 1893 și 1894.

PALATUL ADMINISTRATIV

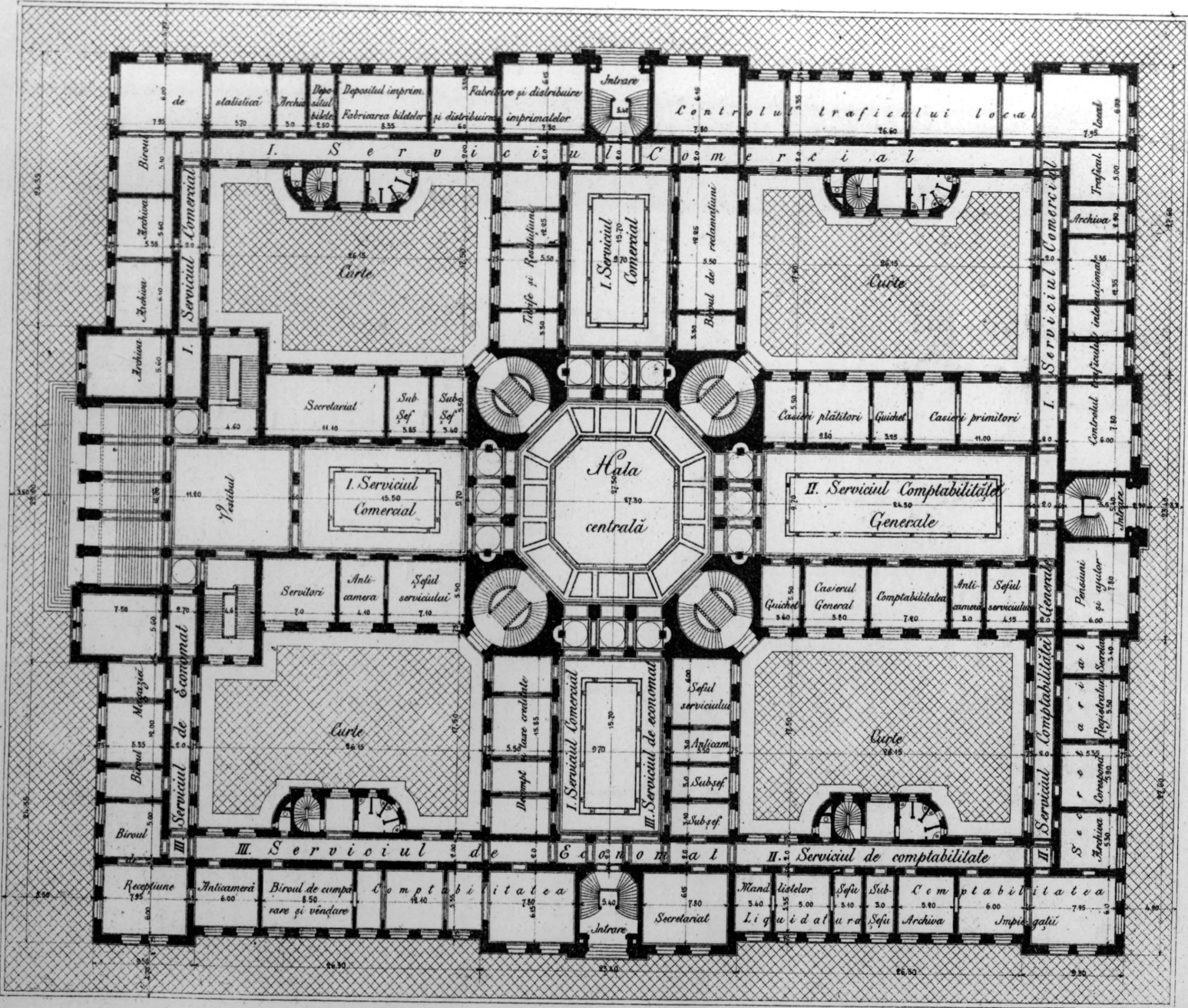
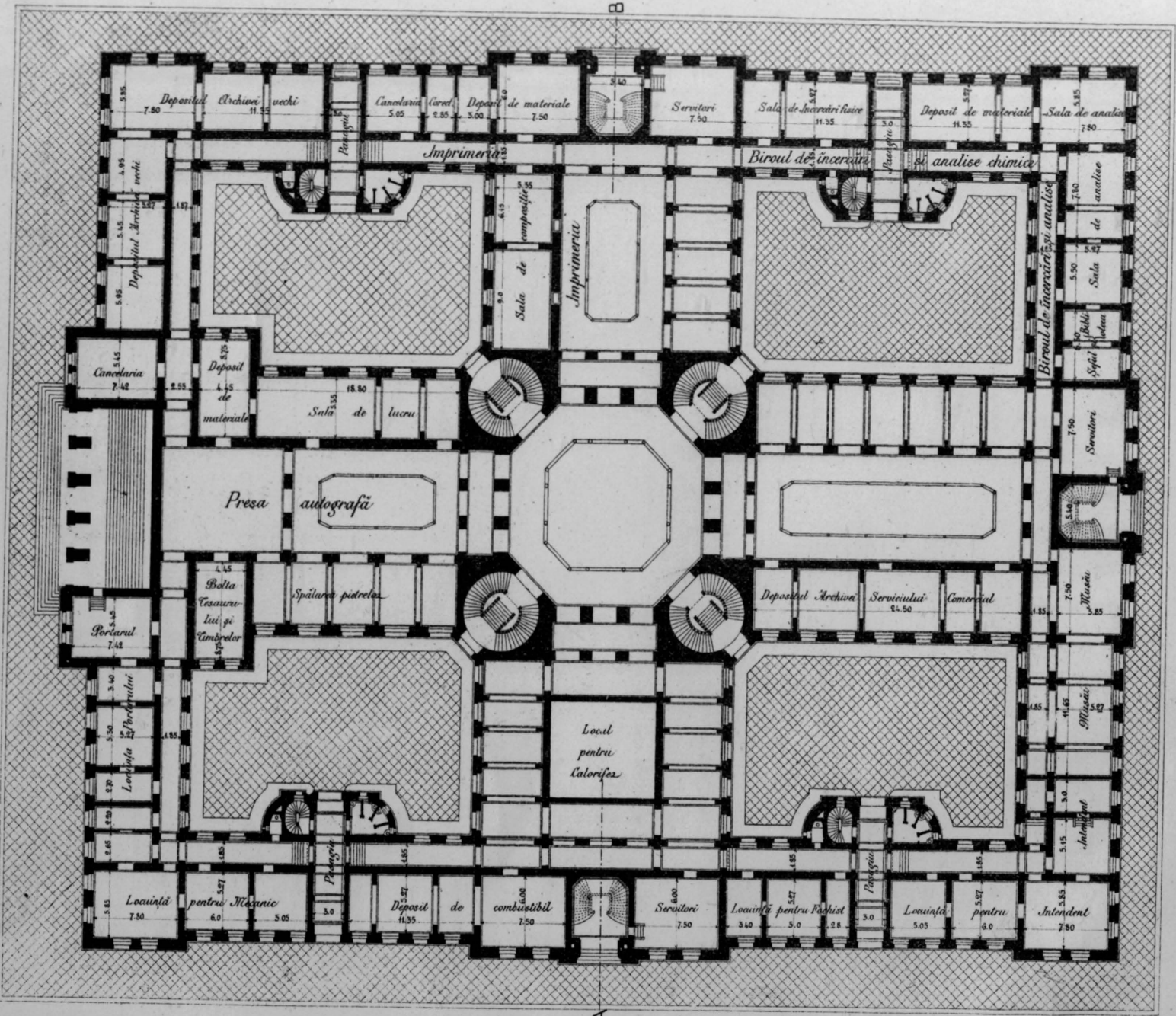
Anul 1890.

AL

CAILOR FERATE-ROMANE

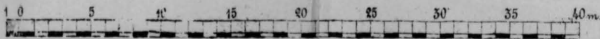
PLANUL SUBSOLULUI

PLANUL PARTERULUI



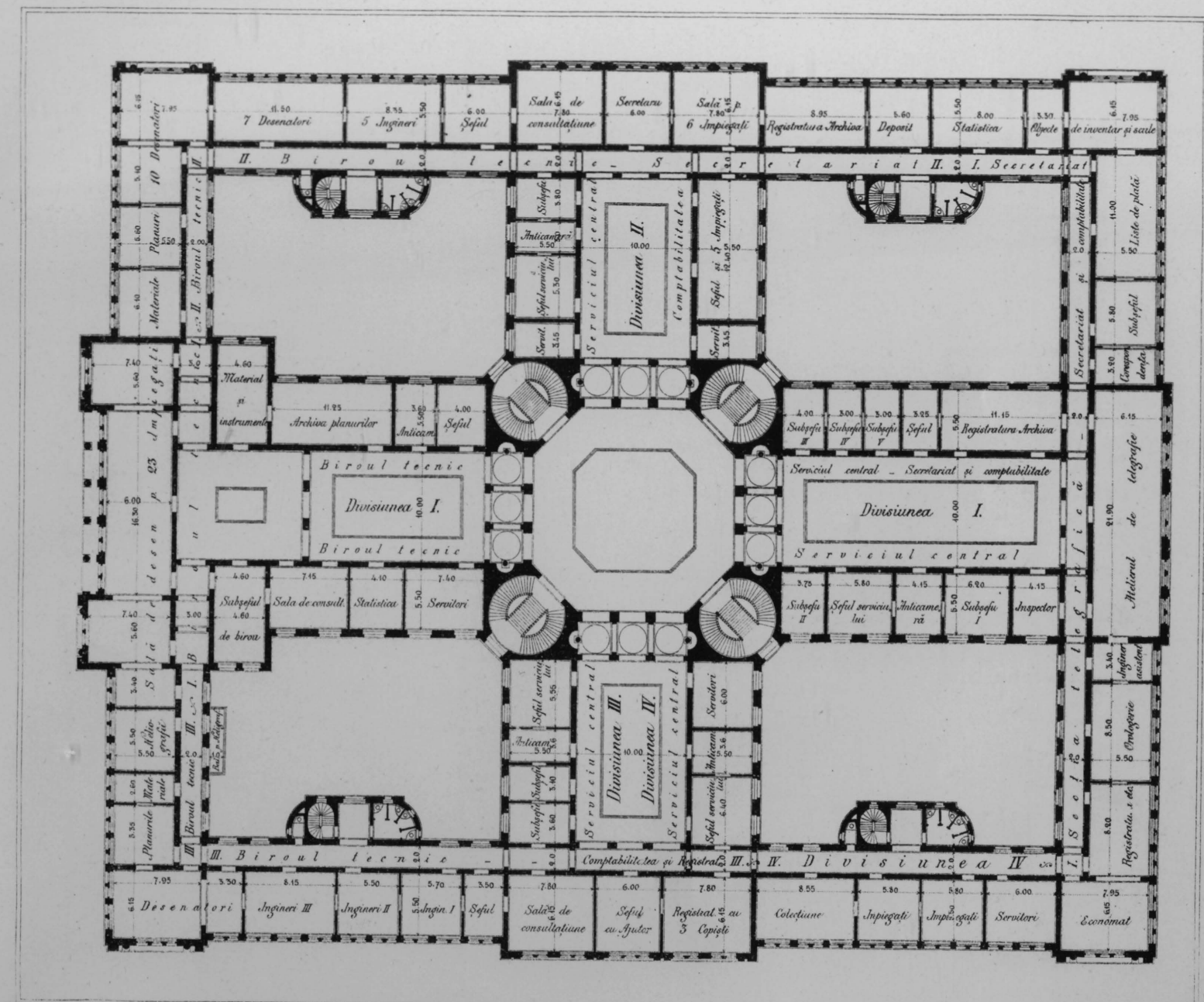
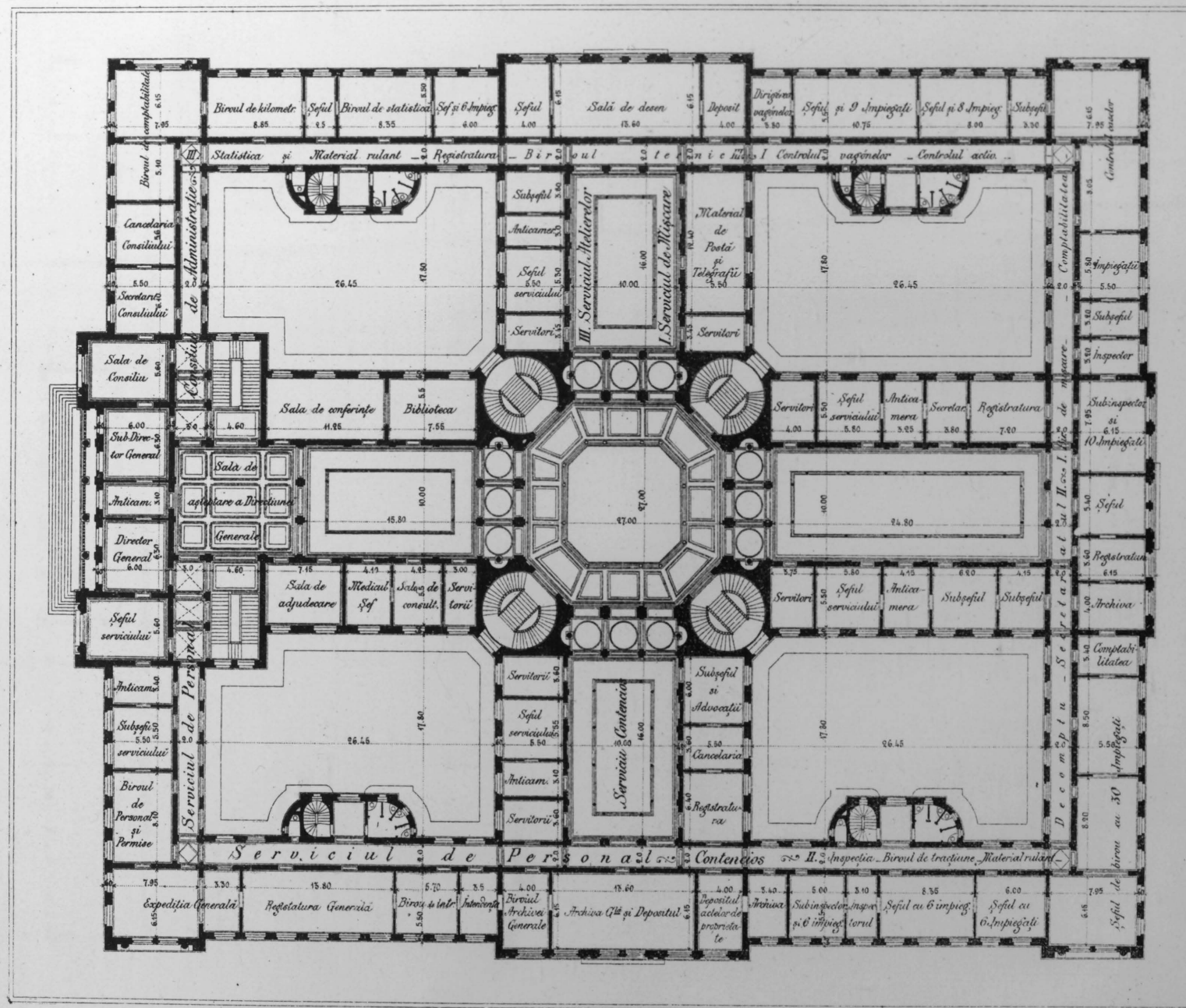
Scara

LUCRU



PLANUL ETAGIULUI I

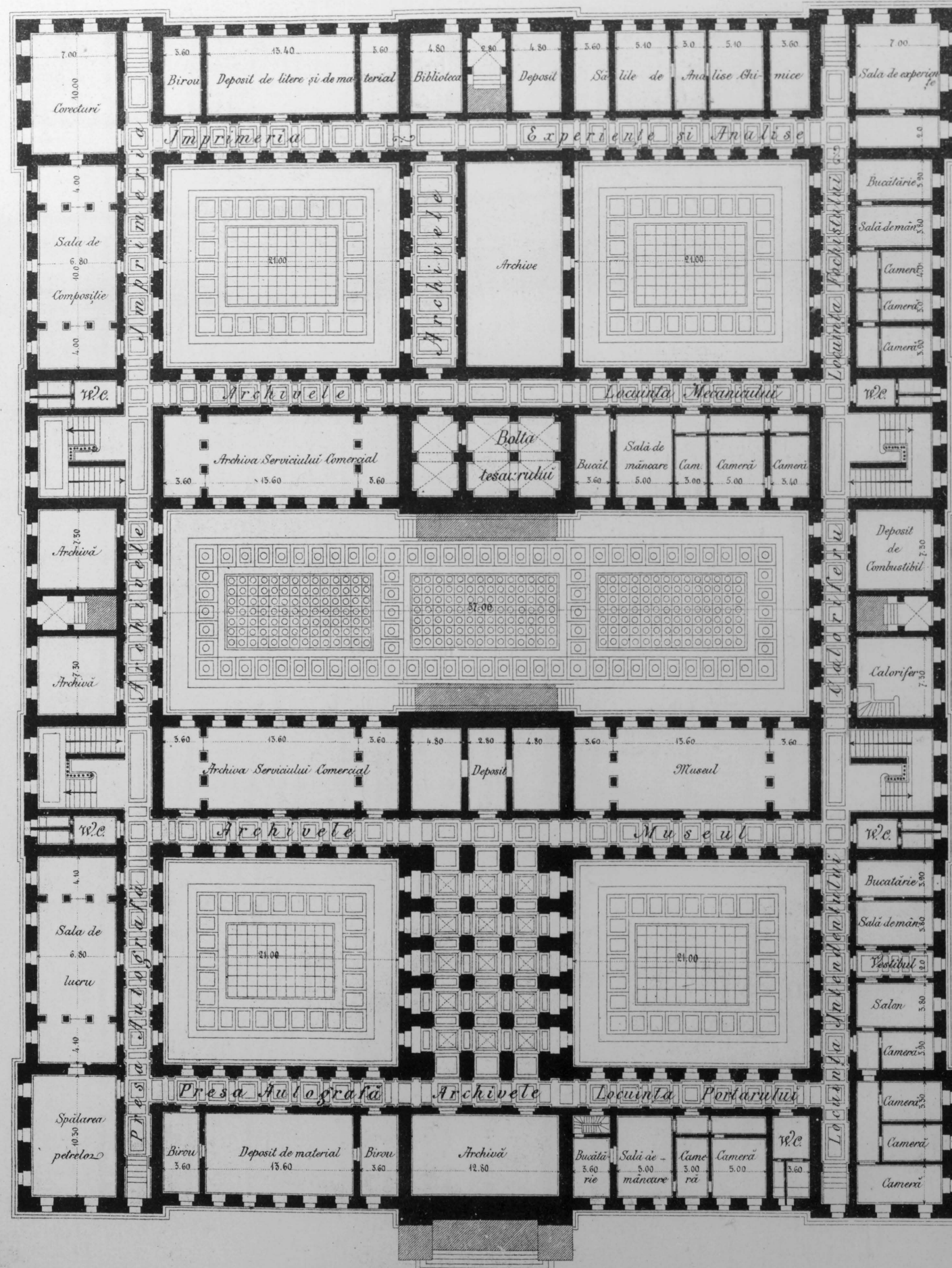
PLANUL ETAGIULUI II



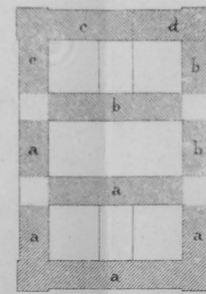
Scara

LUCRU.

PLANUL SUBSOLULUI



PLANUL ETAGIULUI II



ETAJUL II

Grupa C

Serviciul de întreținere
și de lucrări

- Diviziunea a
- Diviziunea b
- Diviziunea c
- Diviziunea d

SUBSOLUL

Grupa E

Intendent | Experiențe
Portar | Muzeu
Imprimerie | Arhive
Presă | Tesaur

Grupa F

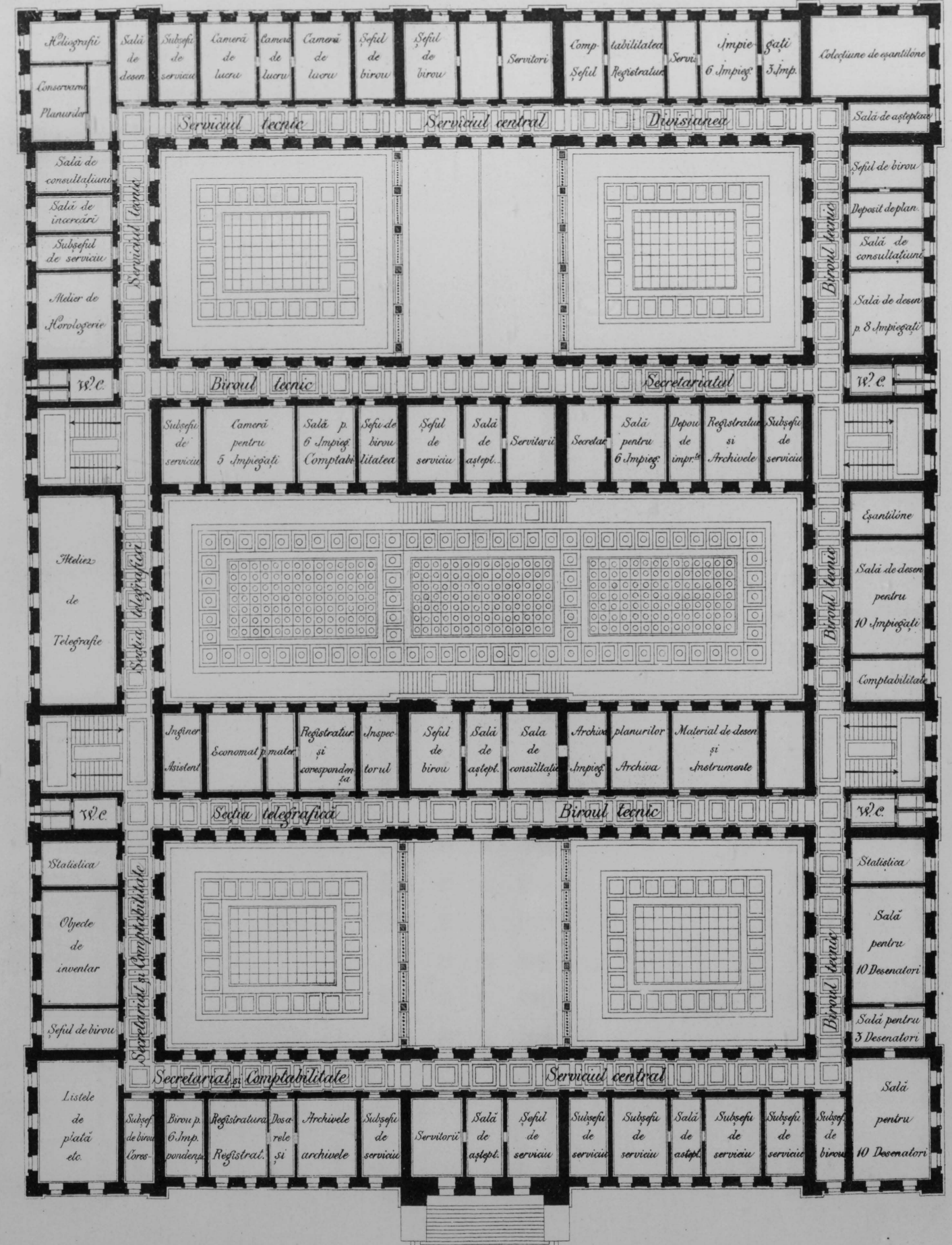
Calorifer | Mecanic
Combustibil | Fochist

PLANUL SUBSOLULUI

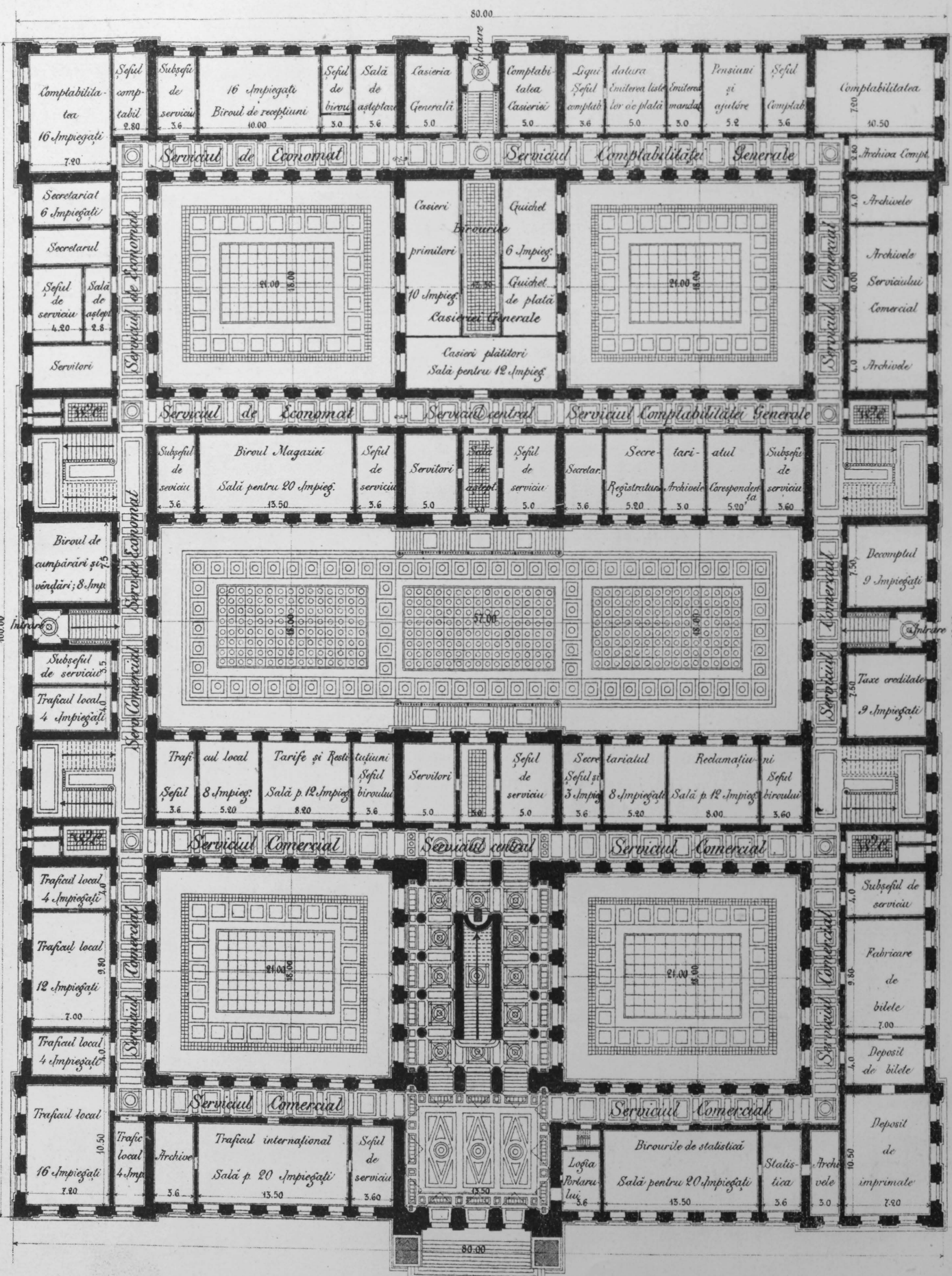


Scara

PLANUL ETAGIULUI II



PLANUL PARTERULUI



PLANUL ETAGIULUI I



ETAGIUL I

Група А

*Direcțiunea Generală
Serviciul de Personal*

Grupa B

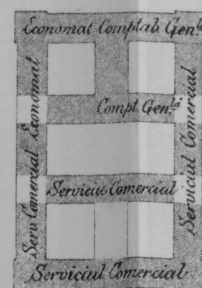
Serviciul de Mișcare
Serviciul de Tracțiune
Serviciul Atelierelor

PARTERUL

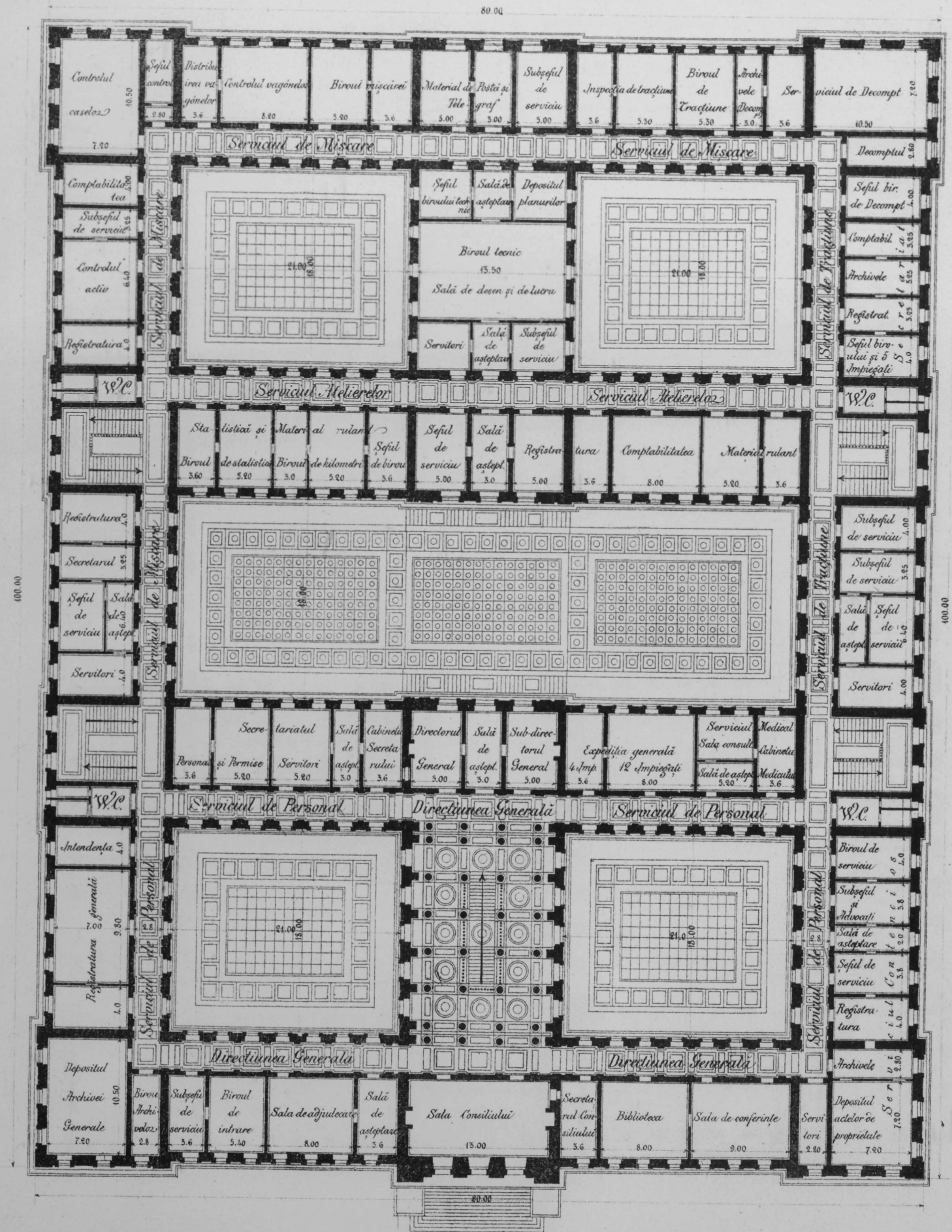
Grupa D

Serviciul Comercial
Comptabil.^{tea} Generală
Serviciul de Economat

PLANUL PARTERULUI



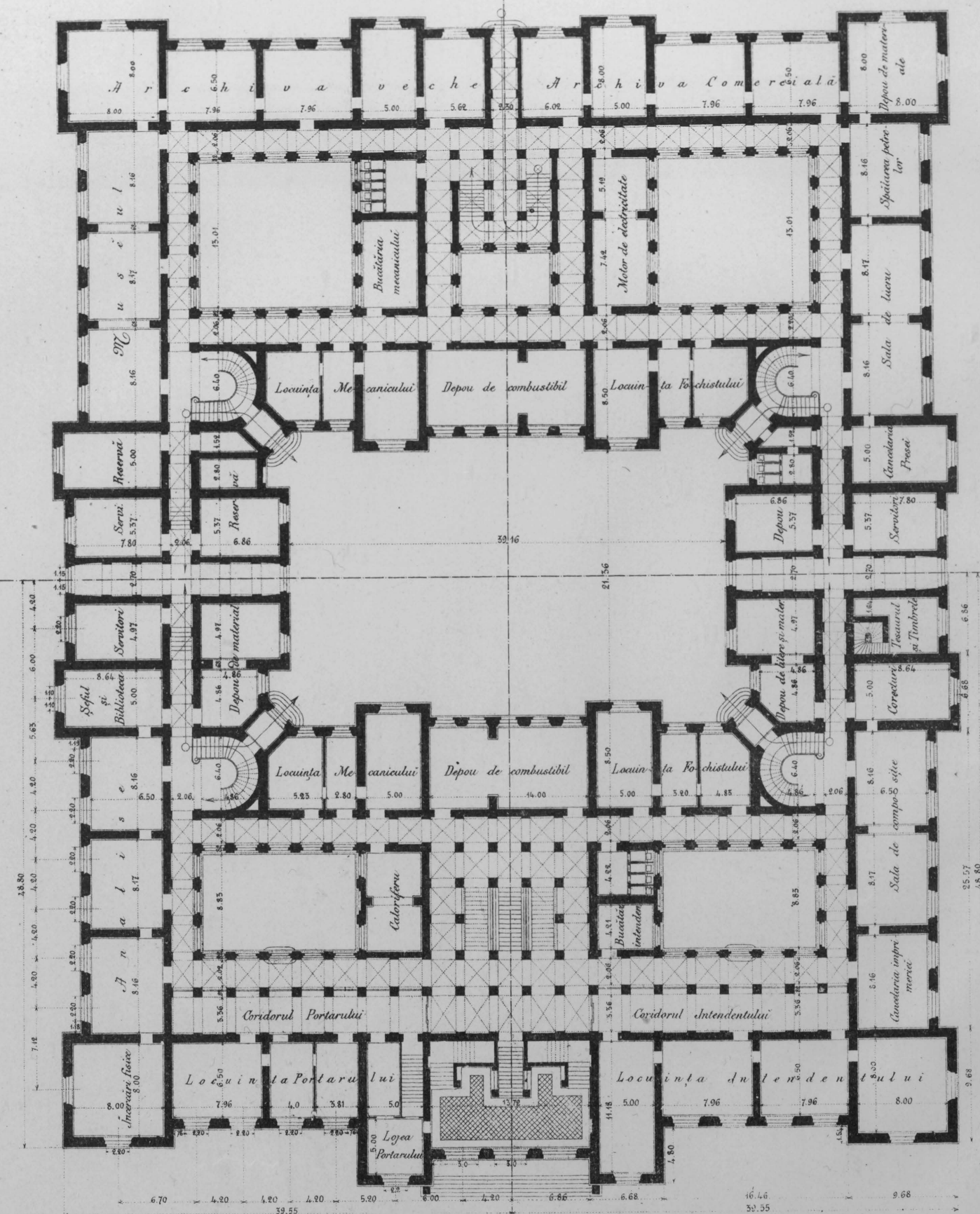
PLANUL ETAGIULUI I



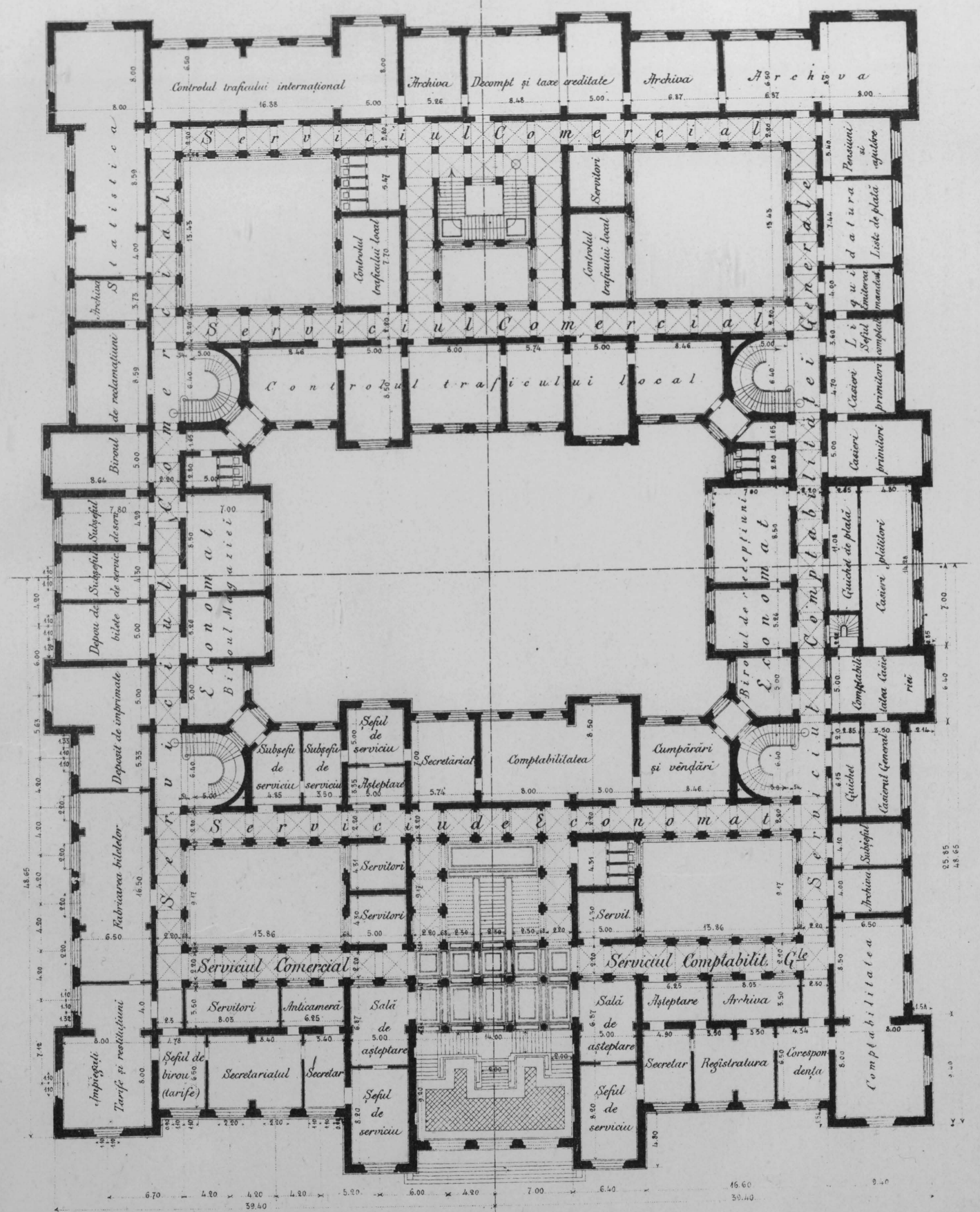
Scara

LUX.

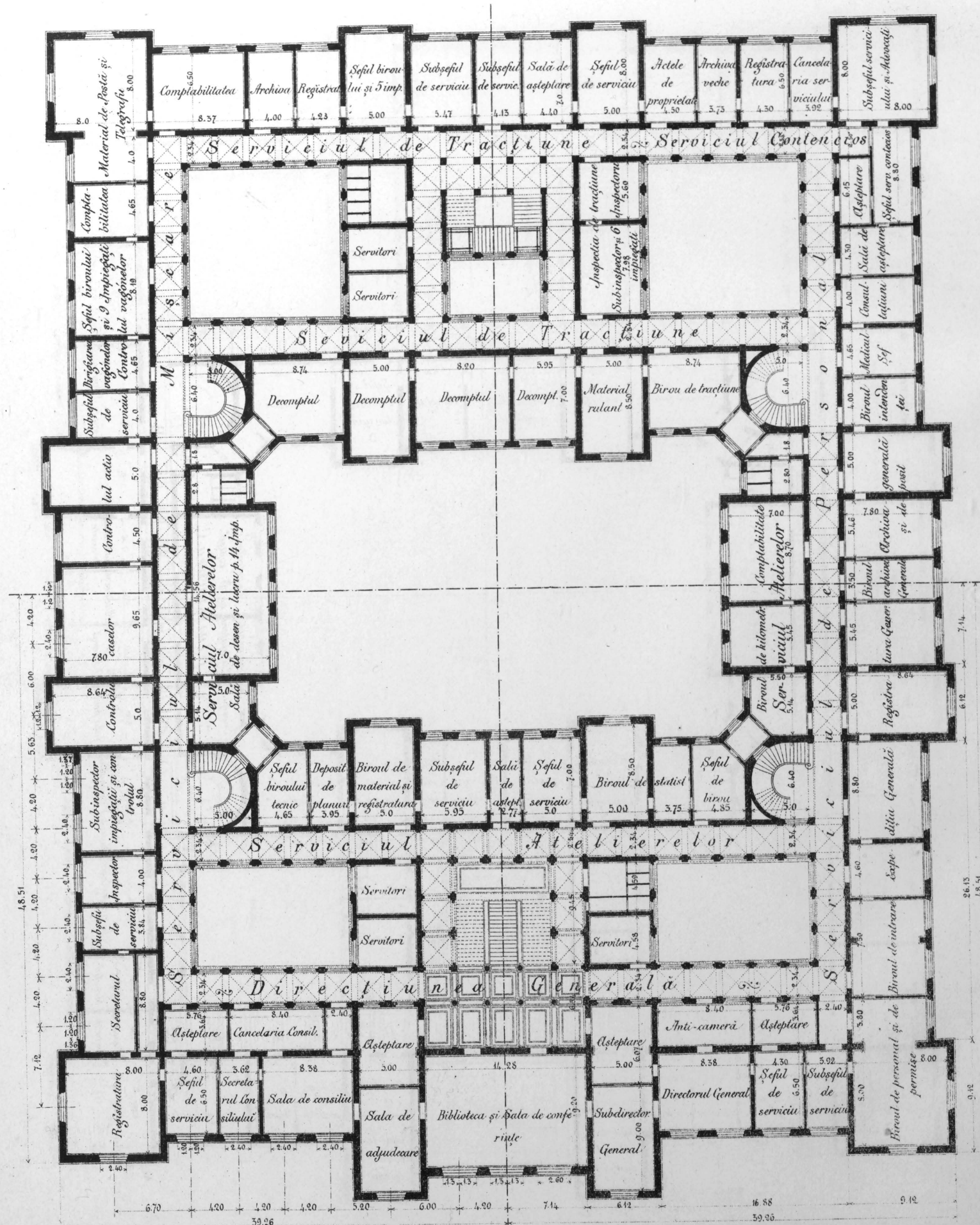
PLANUL SUBSOLULUI



PLANUL PARTERULUI



PLANUL ETAGIULUI I



PLANUL ETAGIULUI II

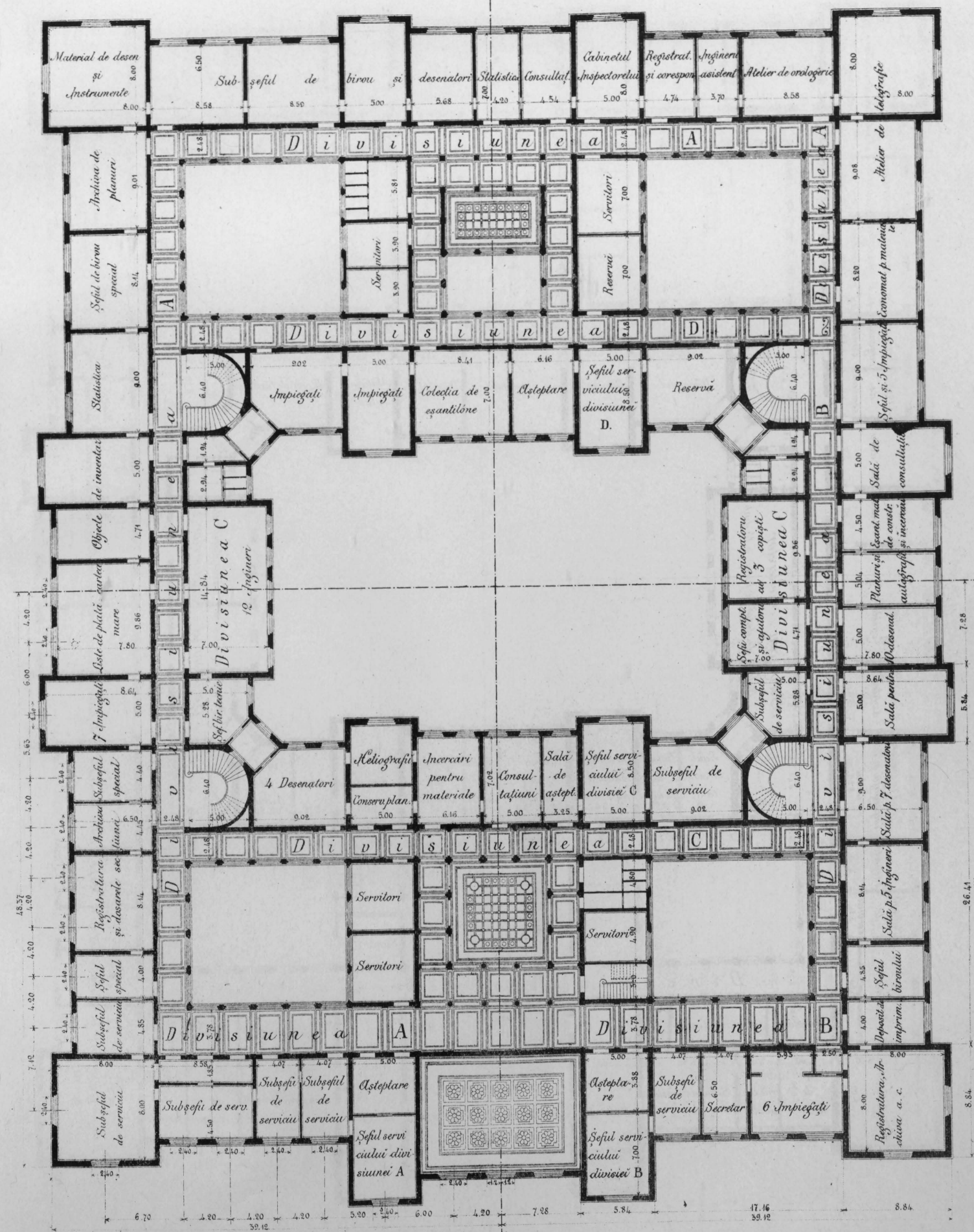


Fig. 1

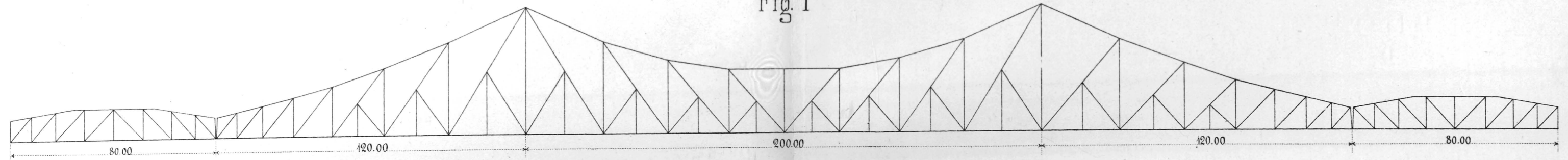


Fig. 2

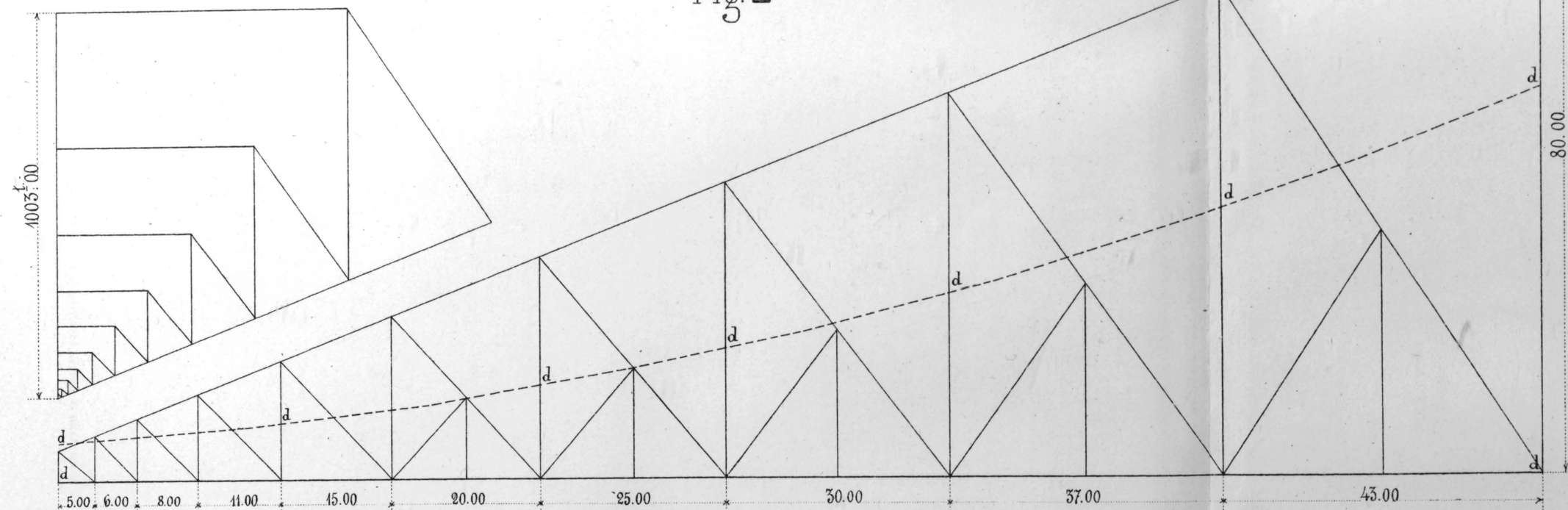


Fig. 3

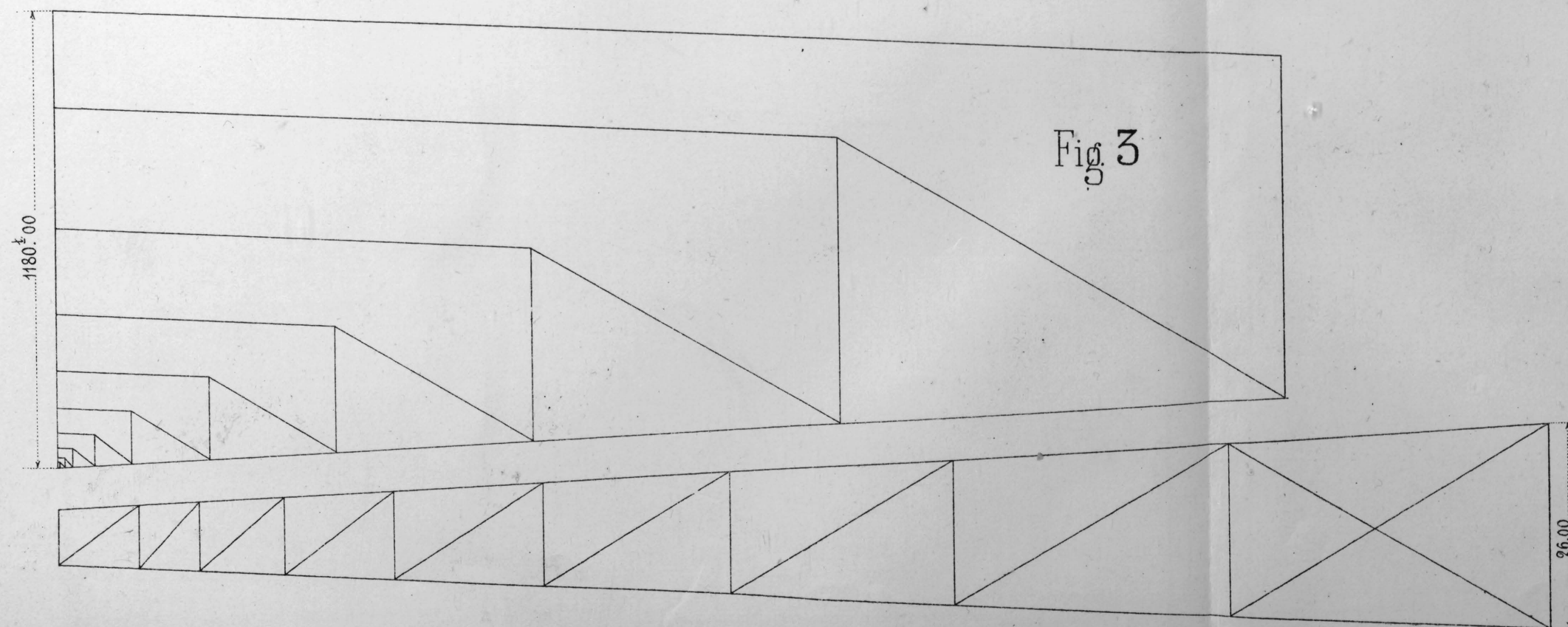


Fig. 4

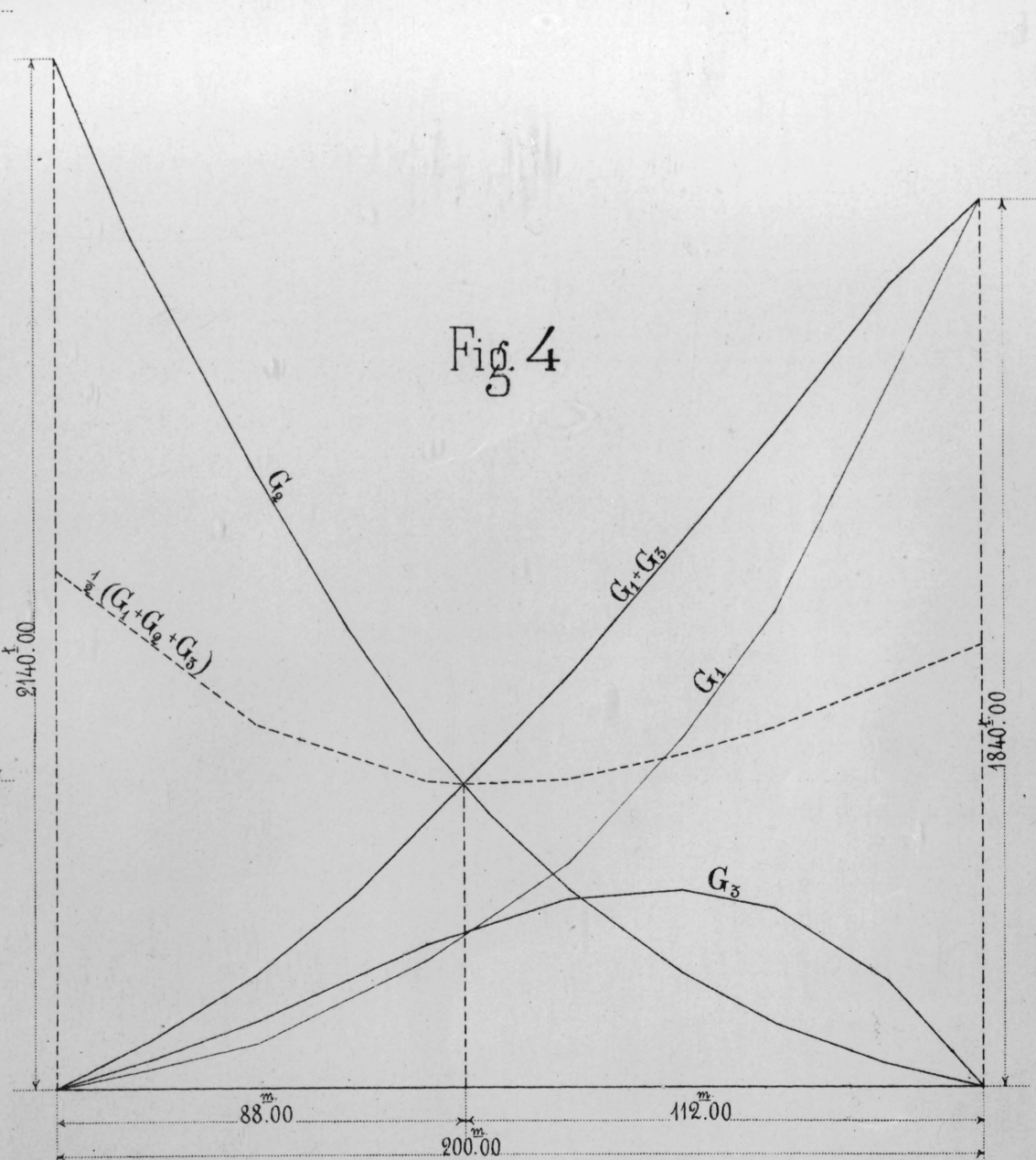
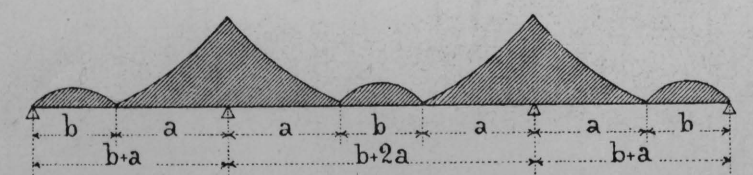
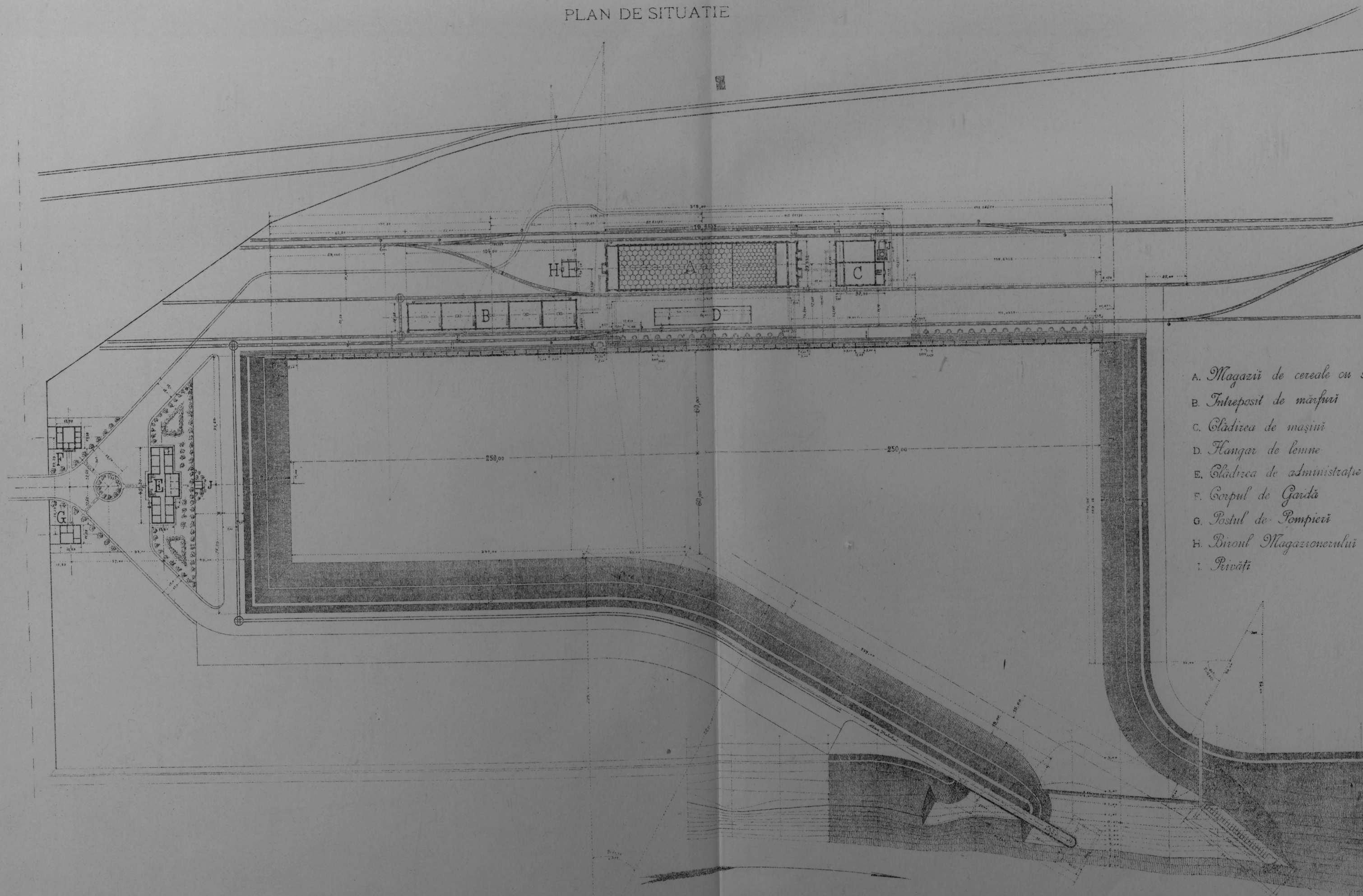


Fig. 5



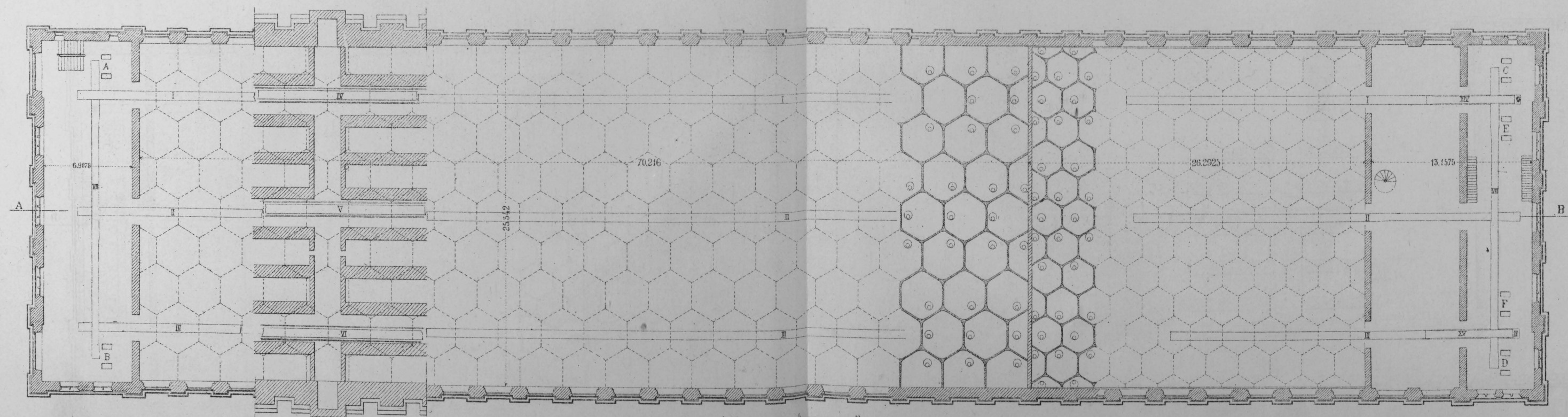
PLAN DE SITUATIE



- A. Magazii de cereale cu silosuri
- B. Intreposit de marfuri
- C. Clădirea de mașini
- D. Hangar de lemne
- E. Clădirea de administrație
- F. Corpul de Gardă
- G. Postul de Pompieri
- H. Biroul Magazinerului
- I. Rivăți

MAGASII DE CEREALE

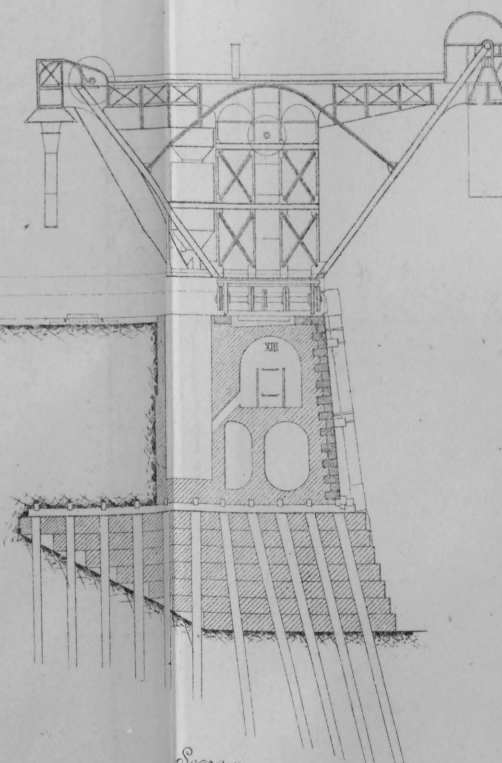
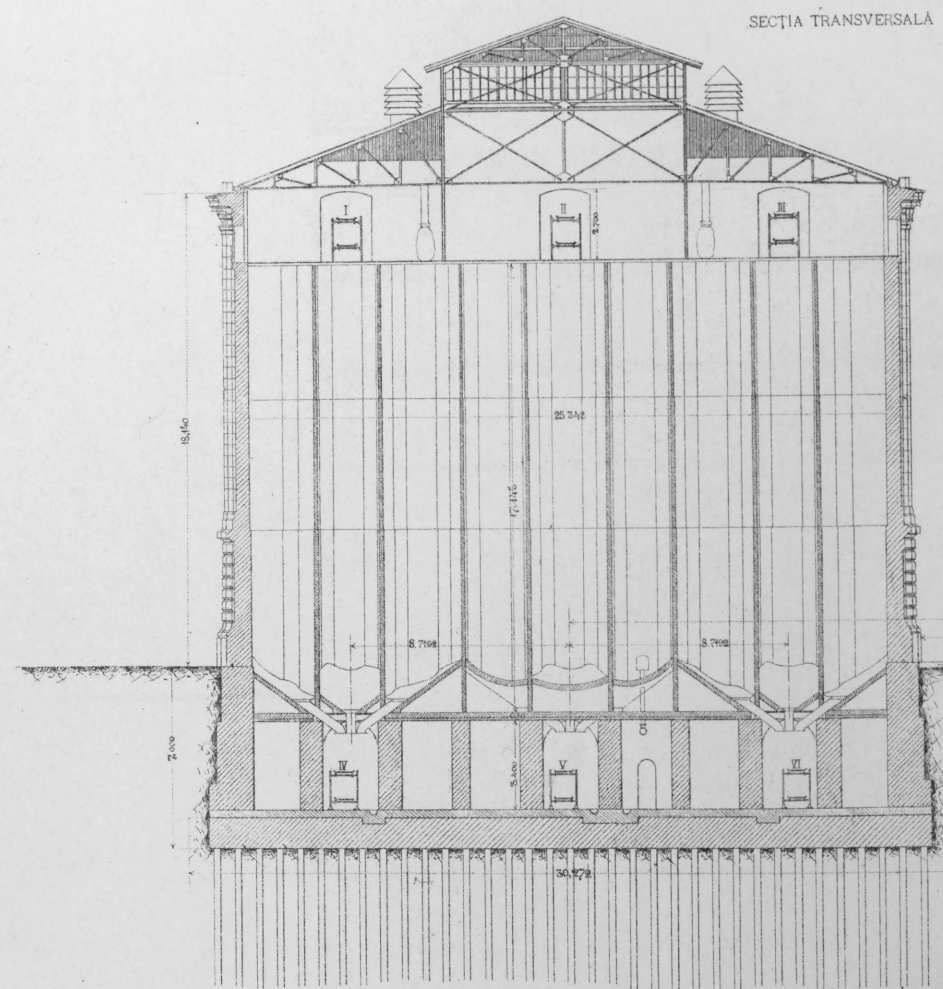
SECȚIE ORIZONTALĂ LA DIFERITE NIVELURI



DOCURILE DIN GALATI SI BRAILA

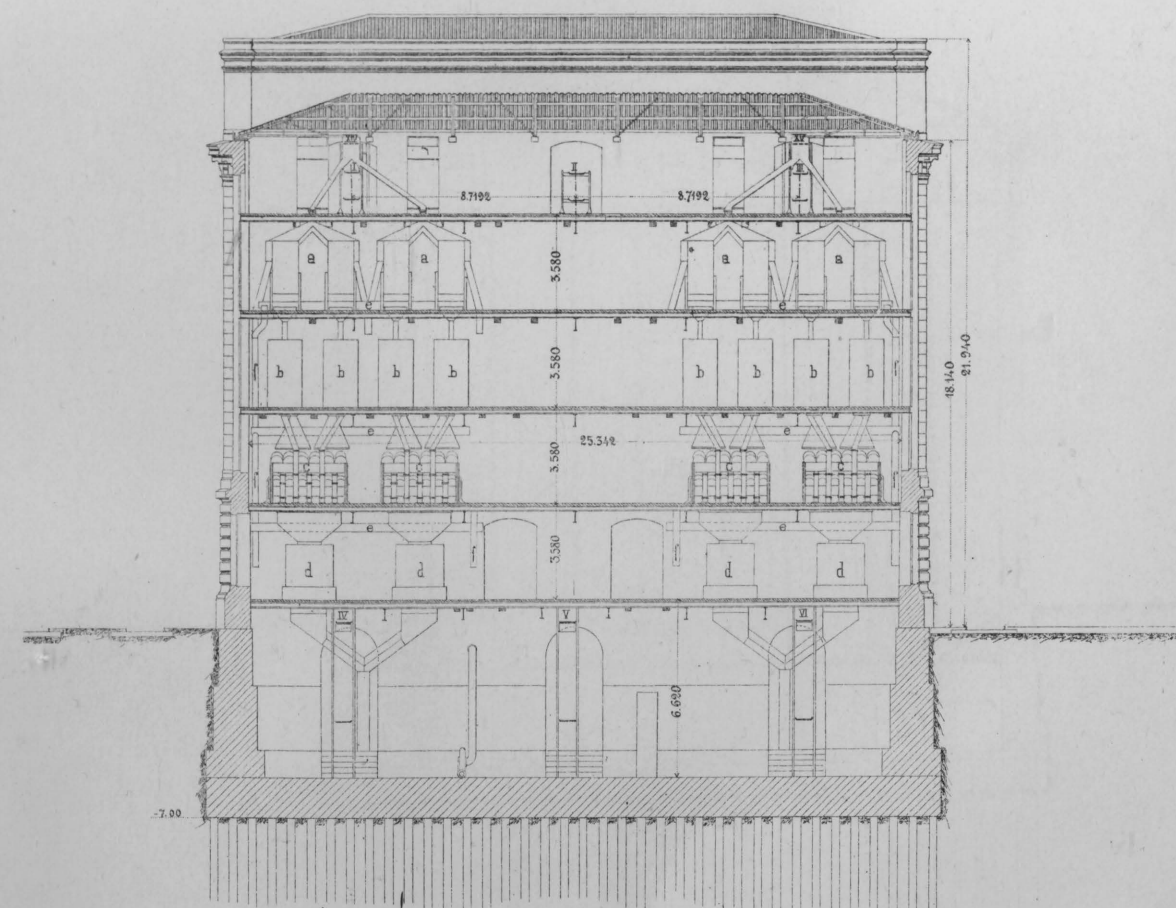
MAGASII DE CEREALE

SECȚIA TRANSVERSALĂ PRIN SILOSURILE MARI



Scara:
1 0 1 2 3 4 5 6 7 8 9

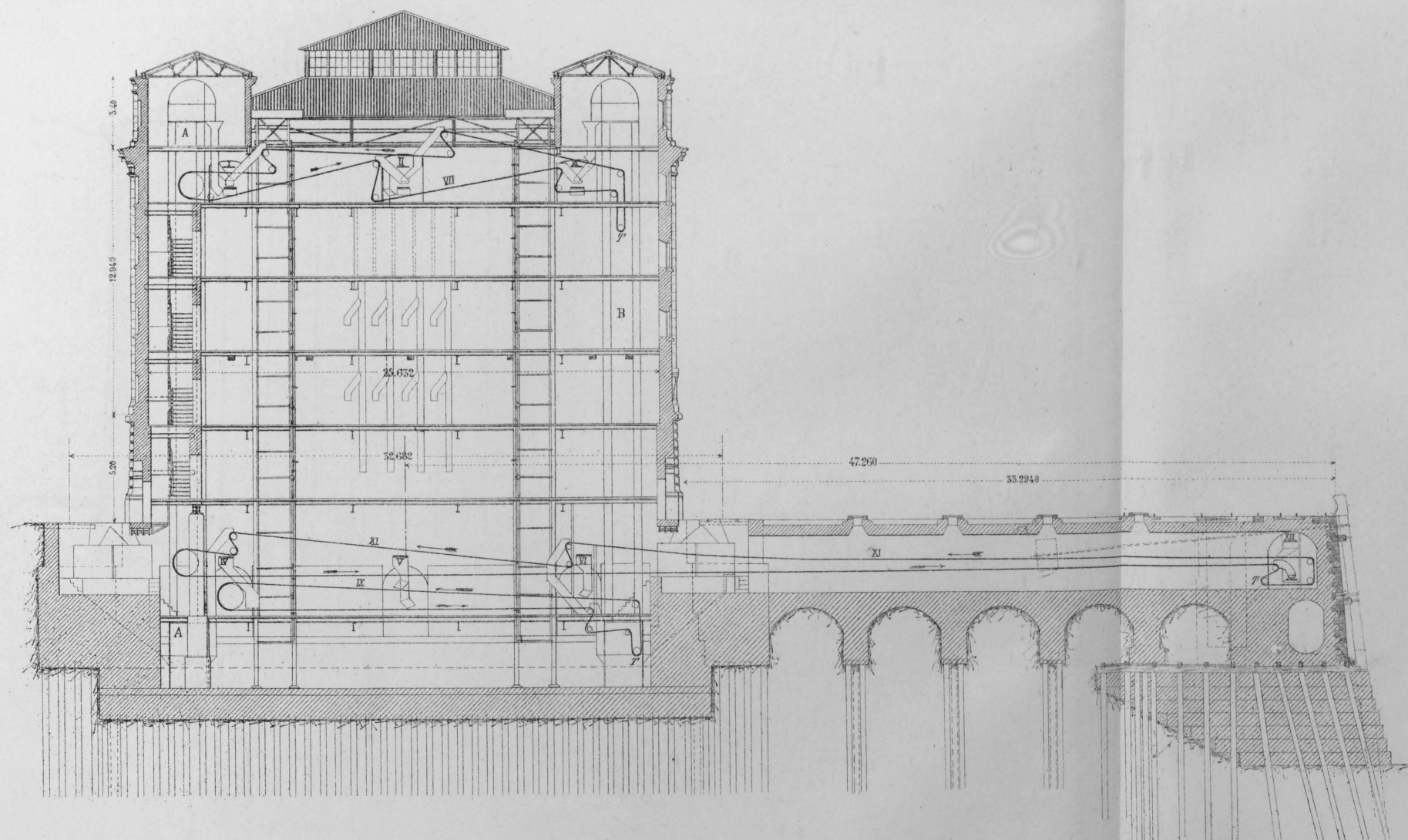
SECȚIE TRANSVERSALĂ PRIN INSTALAȚIA DE CURĂȚIT



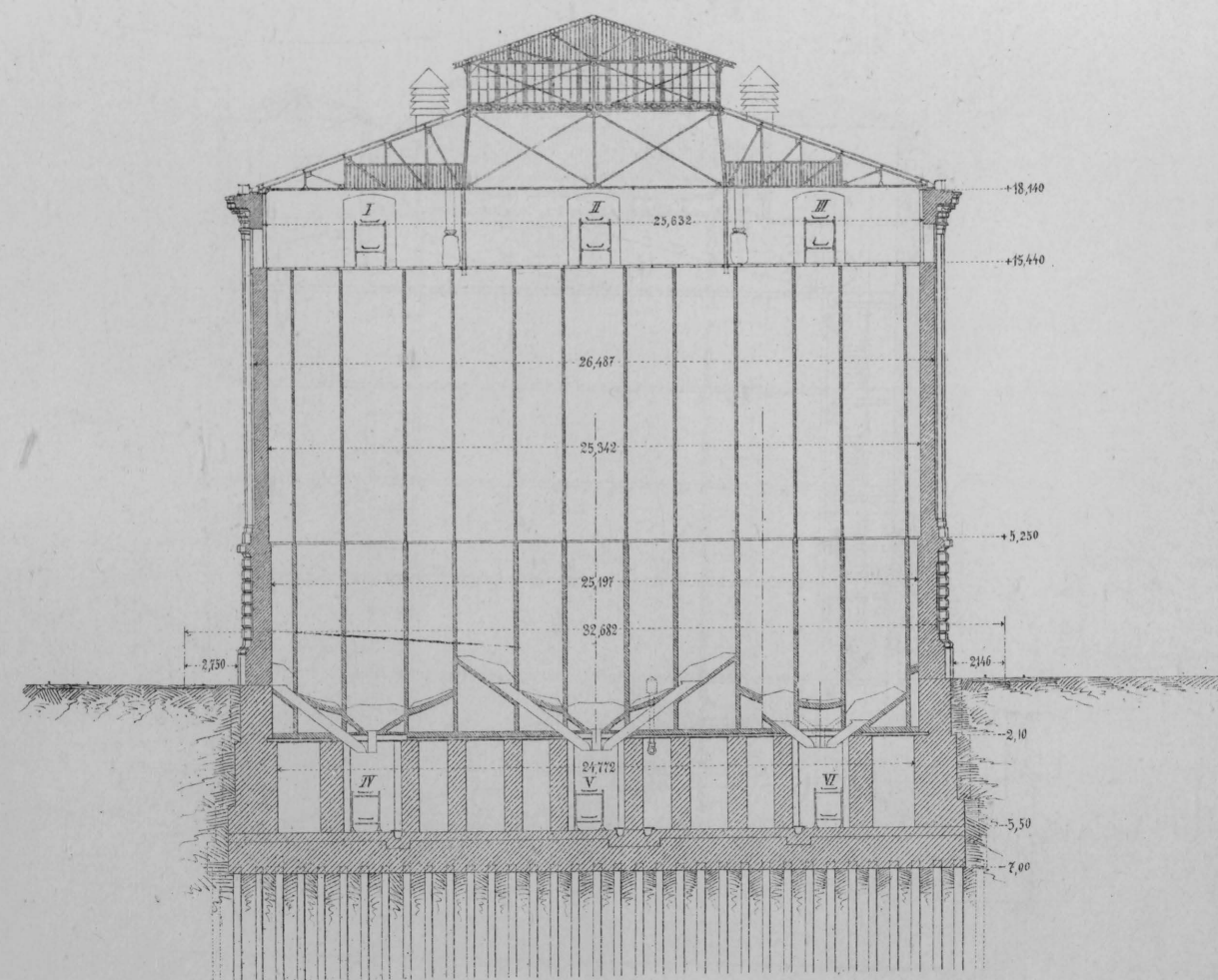
DOCURILE DIN GALATI SI BRAILA

MAGASII DE CEREALE

SECȚIE TRANSVERSALA PRIN ANEXUL SUD



SECȚIE TRANSVERSALA PRIN SILOSURILE MICI



DOCURILE DIN GALATI SI BRAILA

MAGASII DE CEREALE

Societatea Silitonara

N. N° 5

8

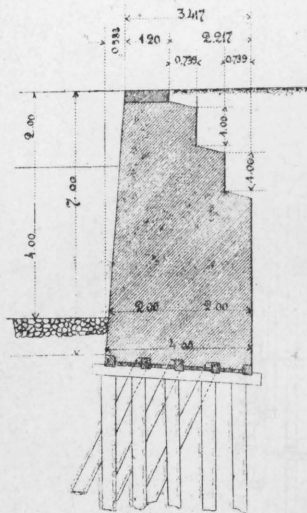
RACORDAREA CHEULUI CU TALUSELE BASENULUI

La Galati

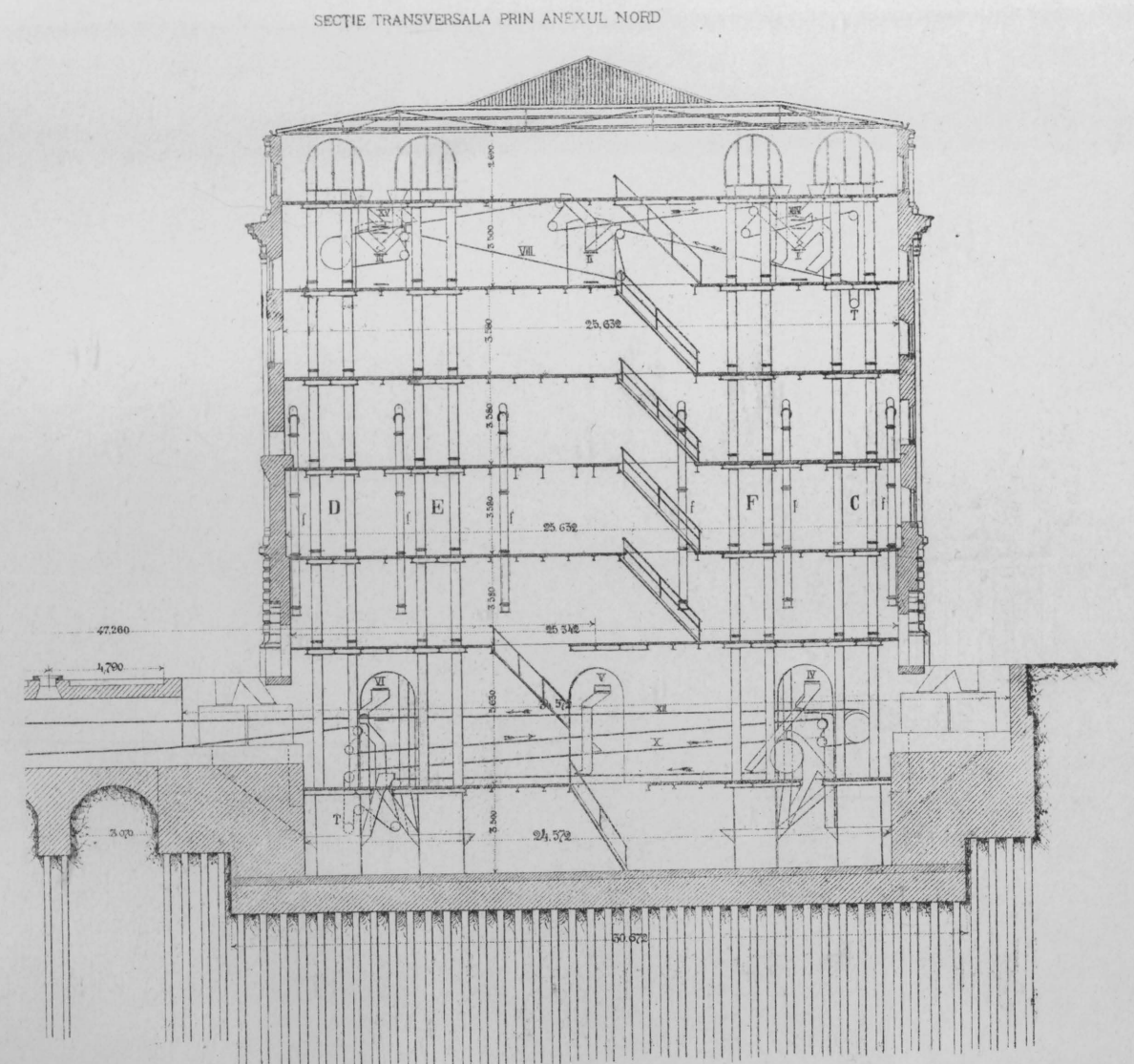
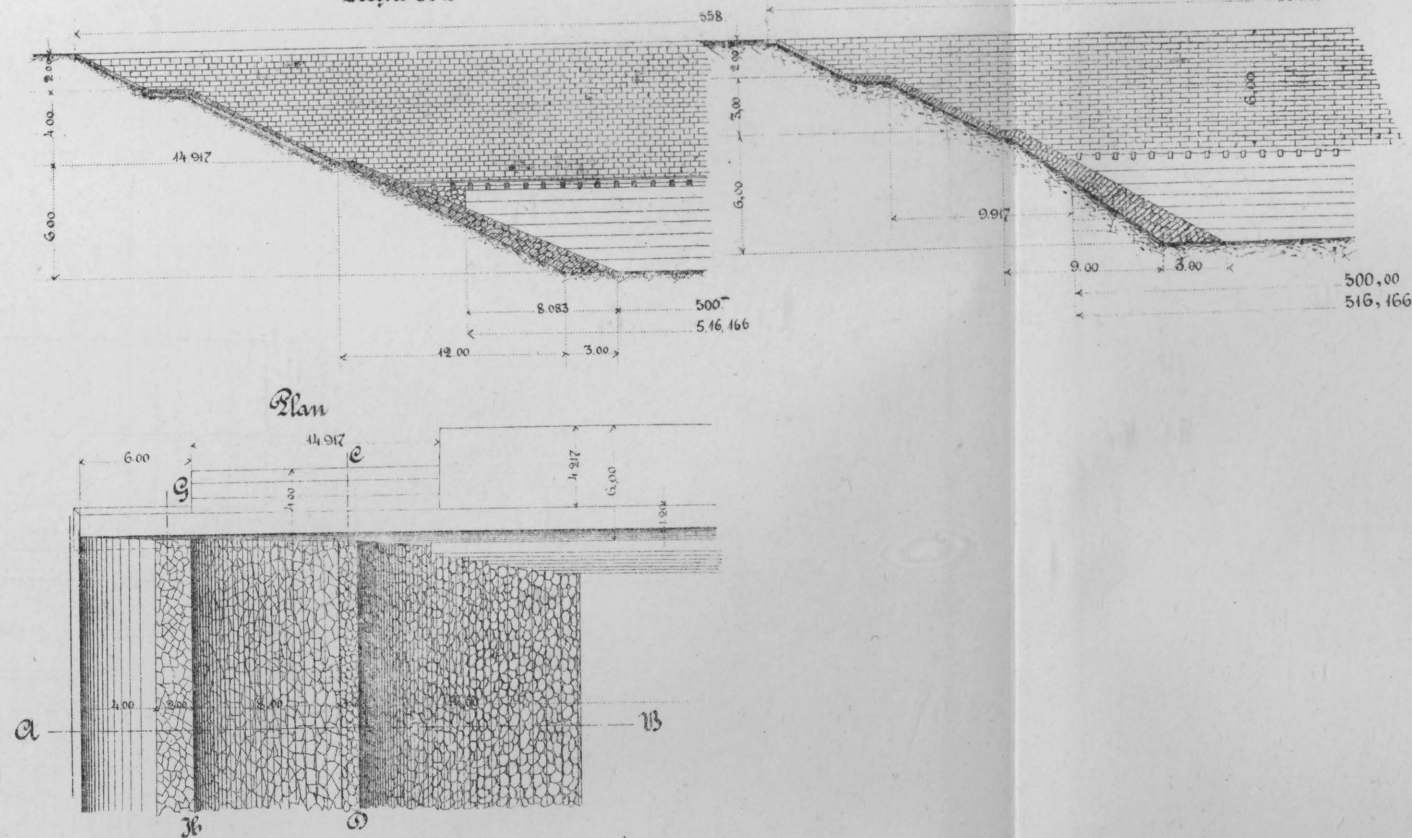
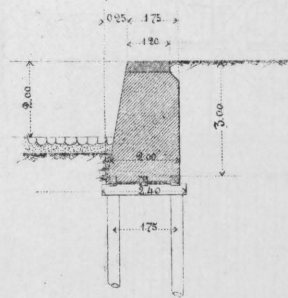
Secția AB

La Braila

Secția CD

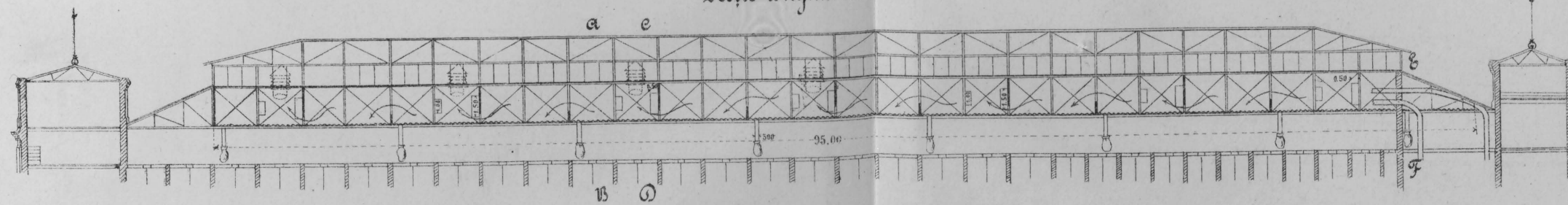


Secția EF

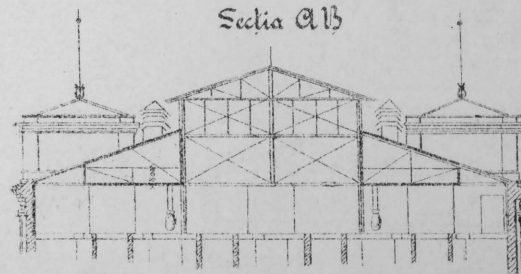


CAMERA DE PRAF

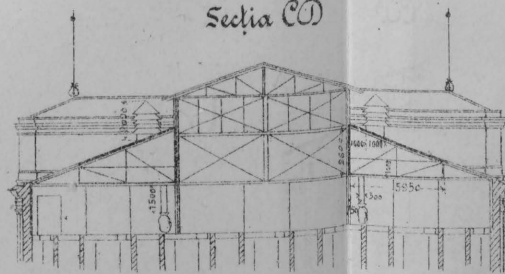
Secție longitudinală



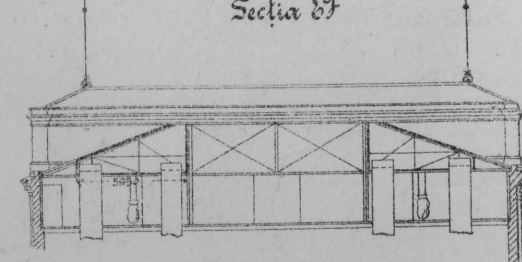
Secția AB



Secția CD



Secția EF



Scara



Fig. 1

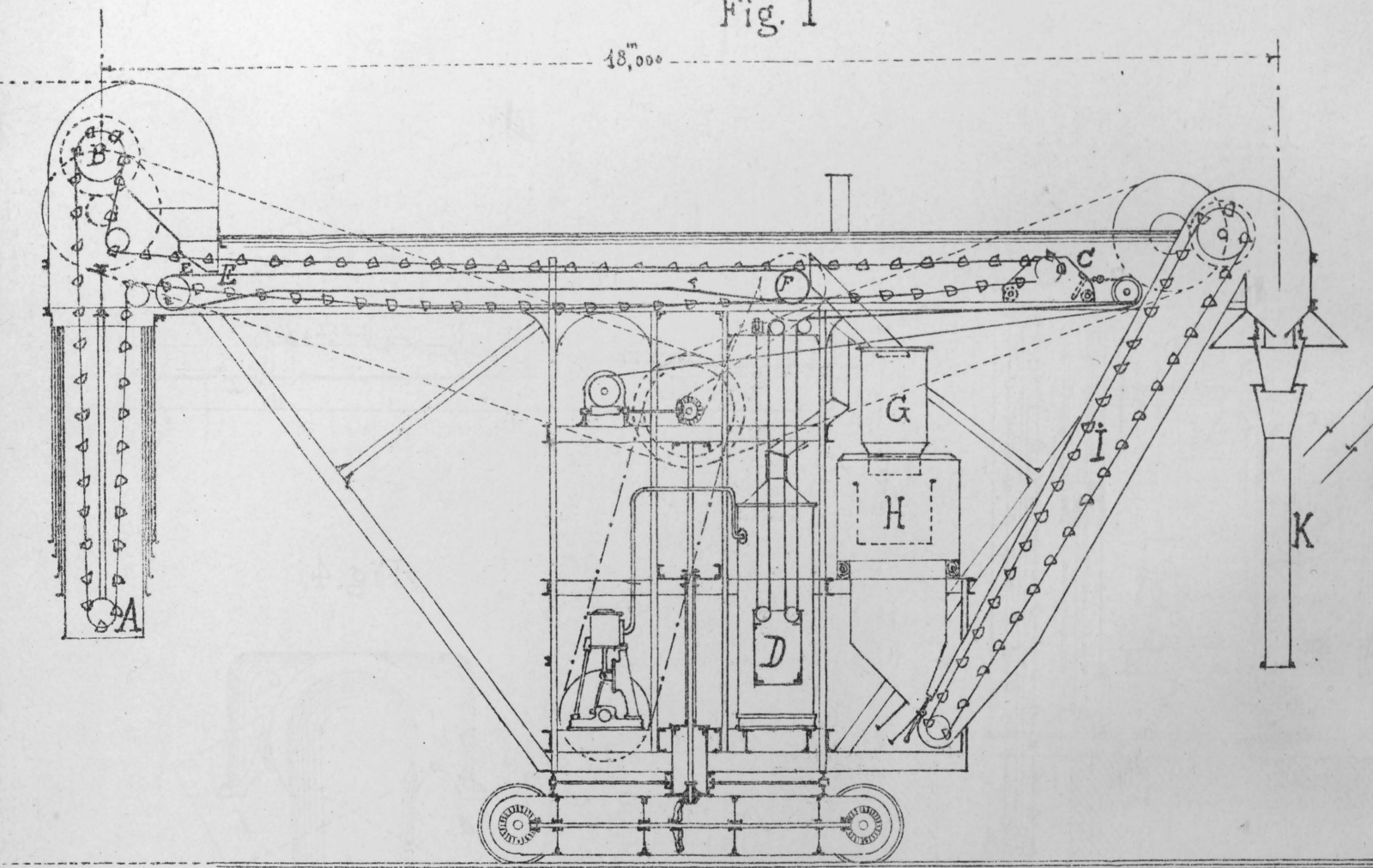


Fig. 2

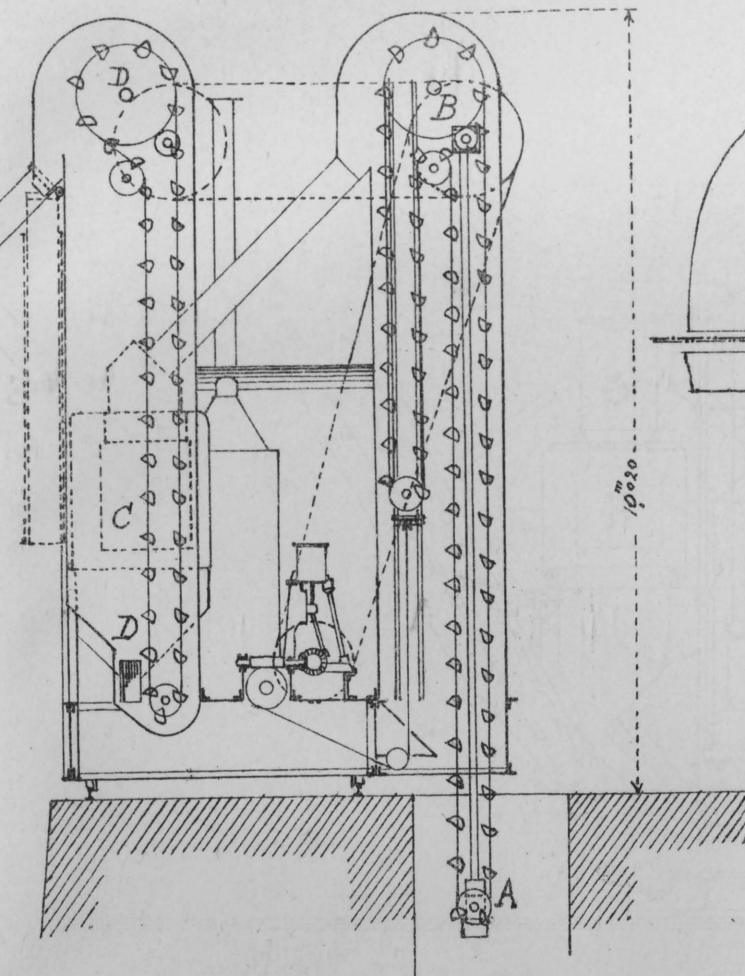


Fig. 3

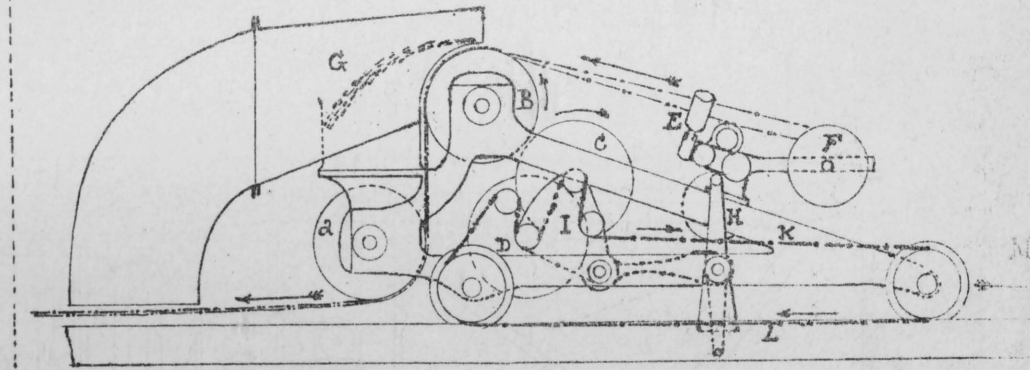


Fig. 4.

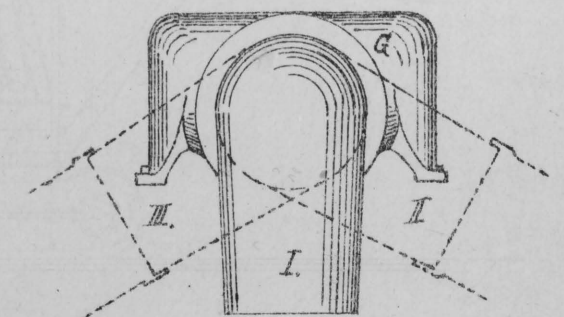


Fig. 5

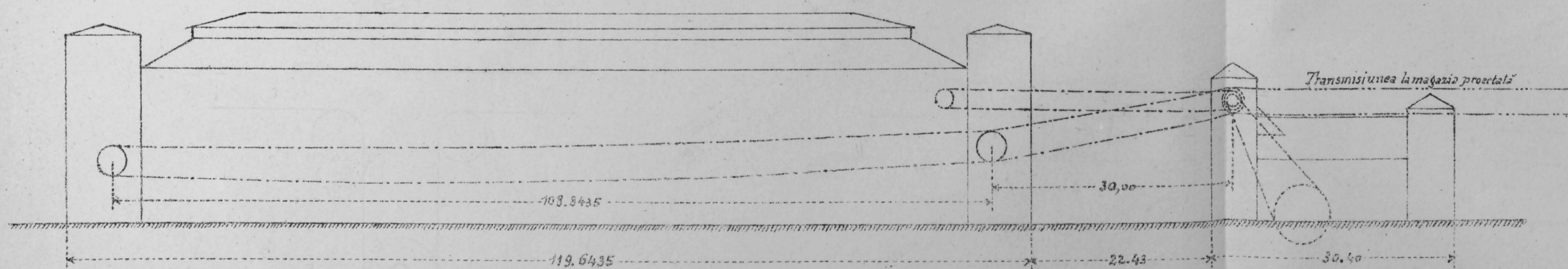


Fig. 8

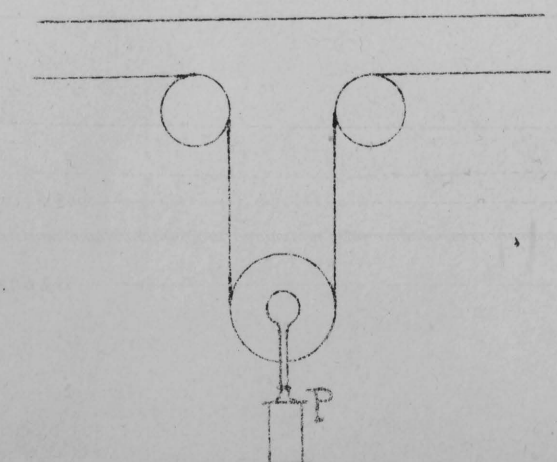


Fig. 6

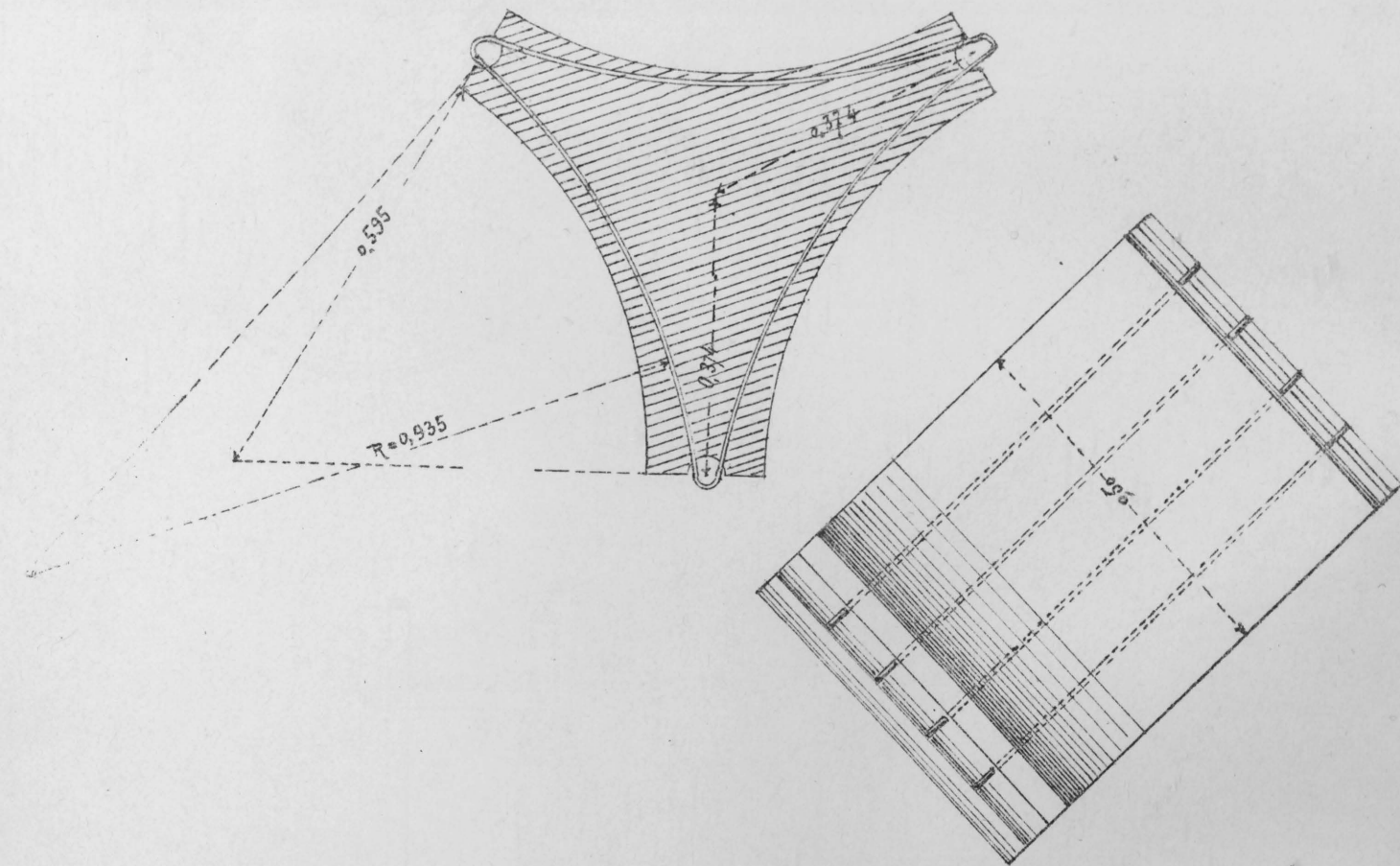


Fig 7.

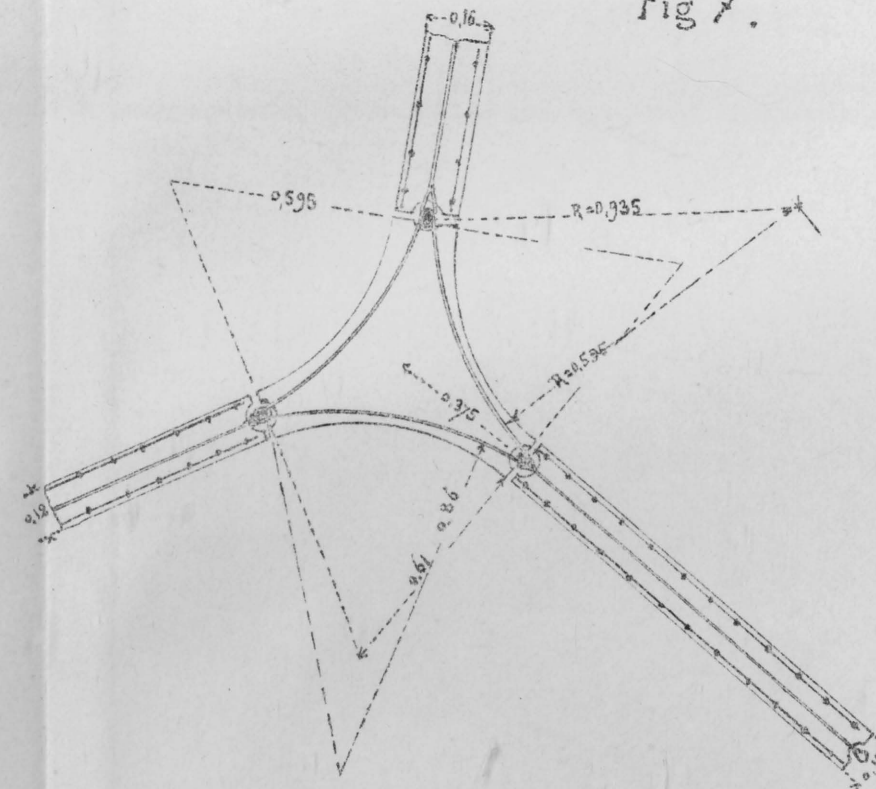


Fig. 9

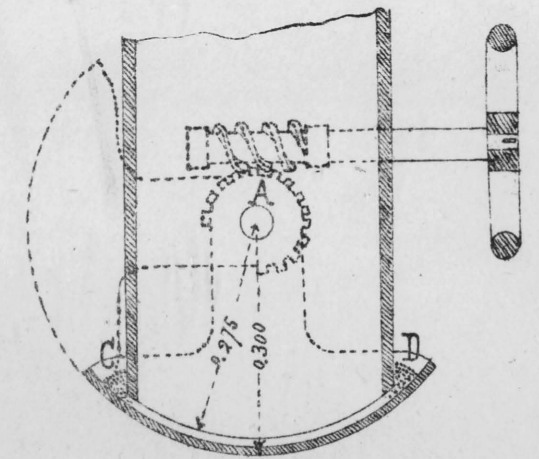


Fig. 11

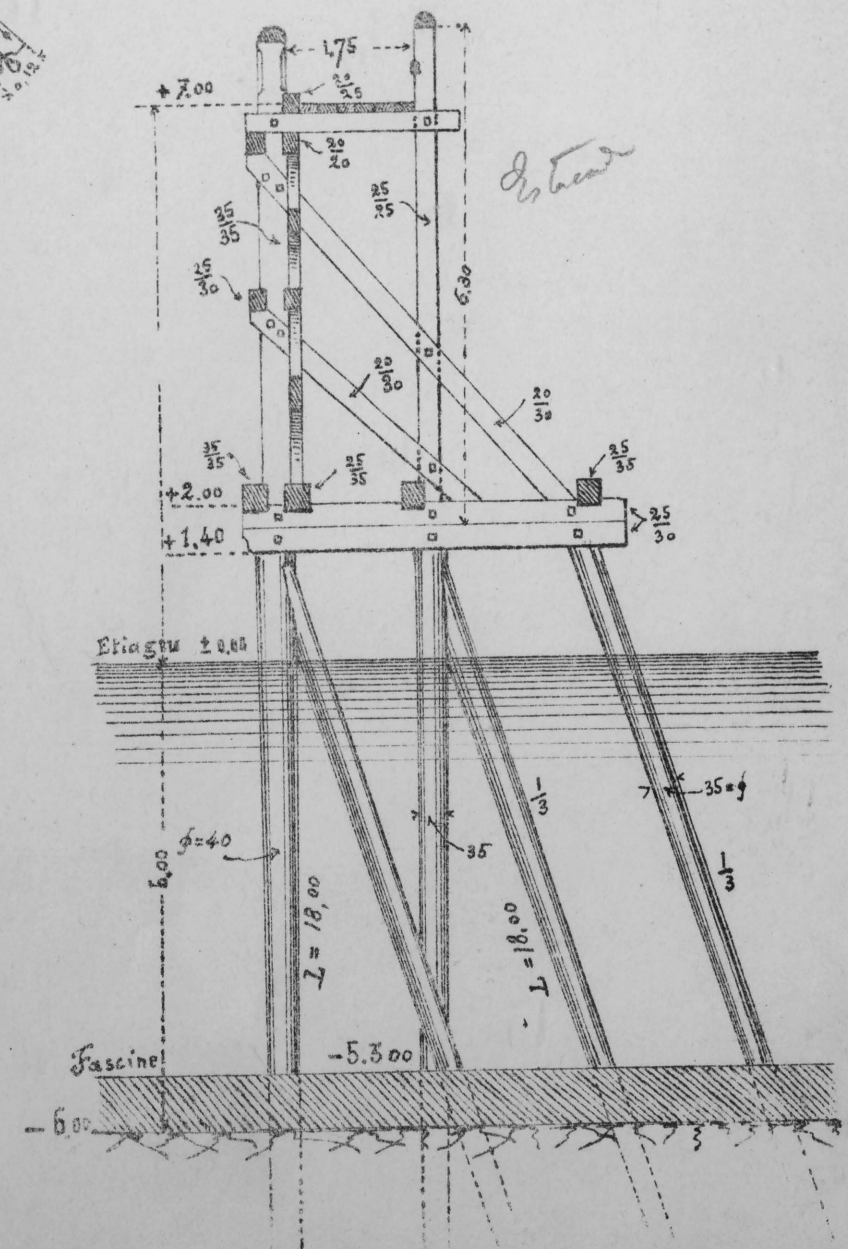
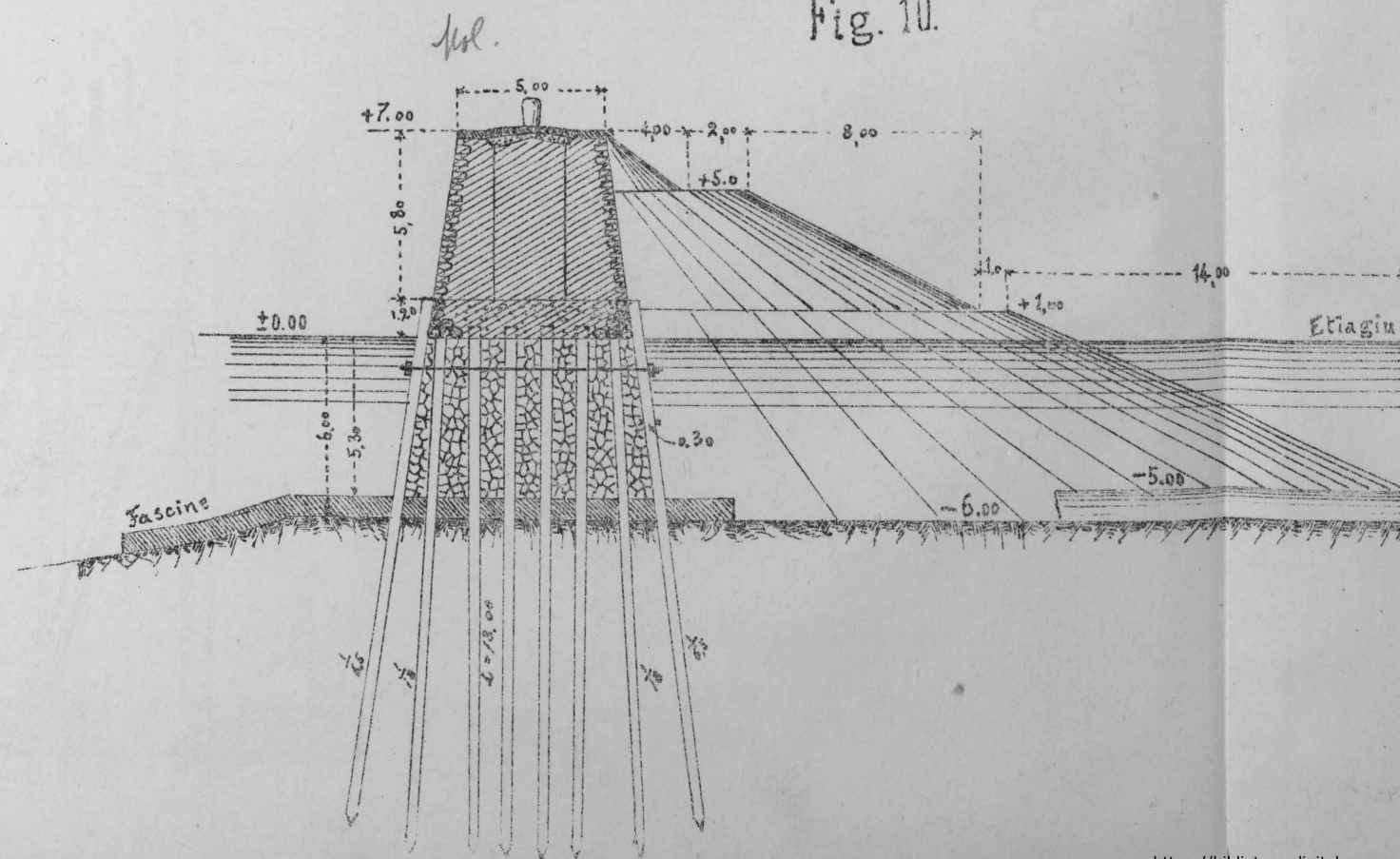


Fig. 10.



APARAT DE RIDICARE

AL UNUI POD ÎNVÎRTITOR

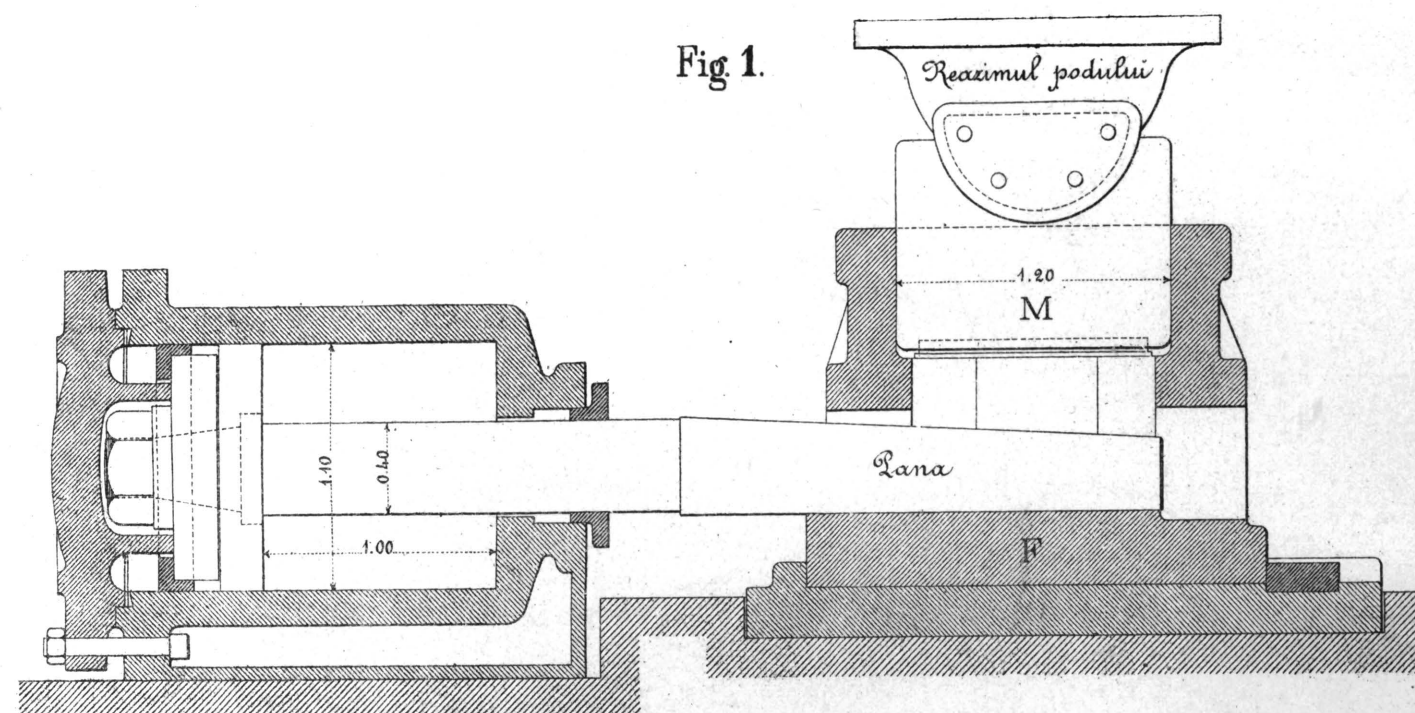
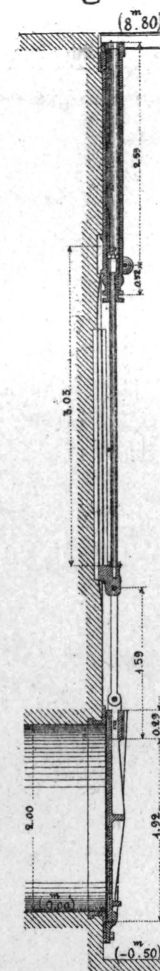
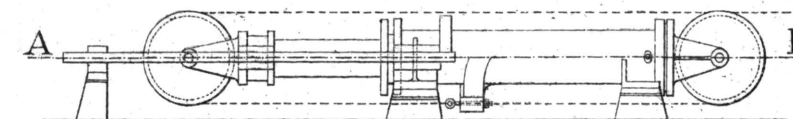
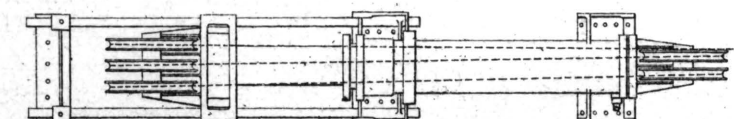
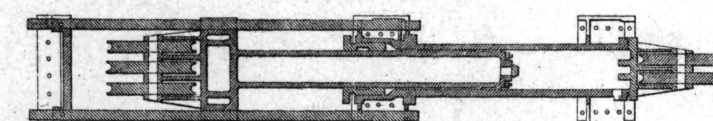
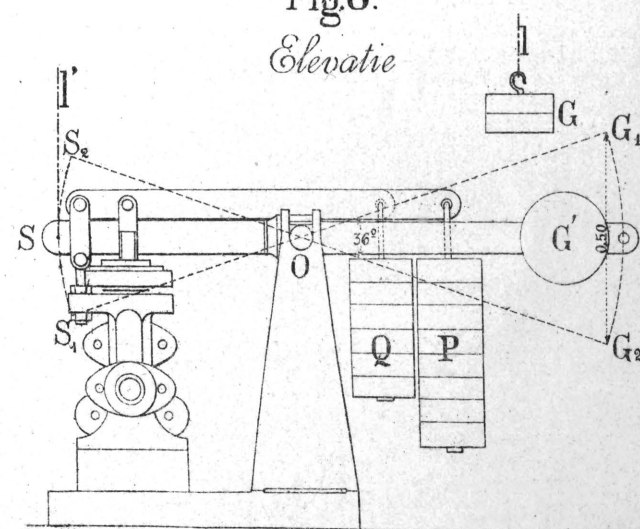
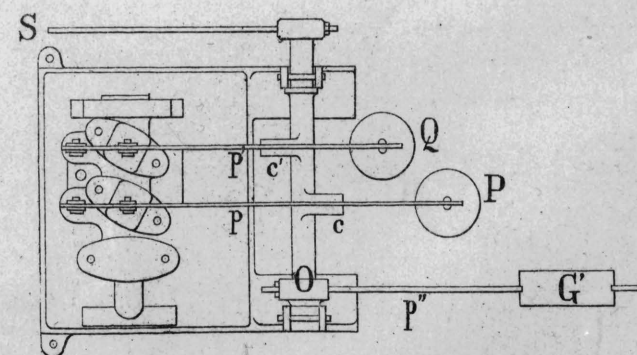
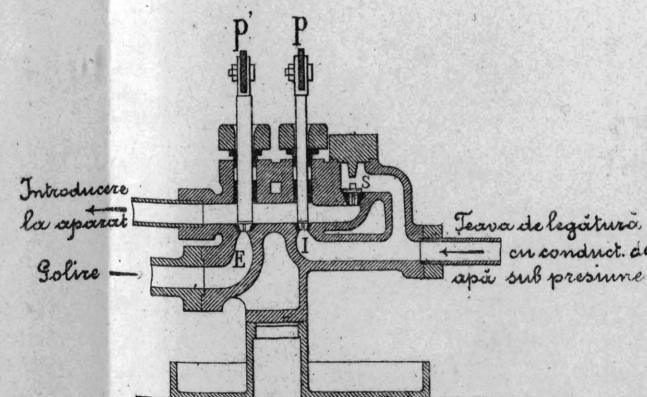
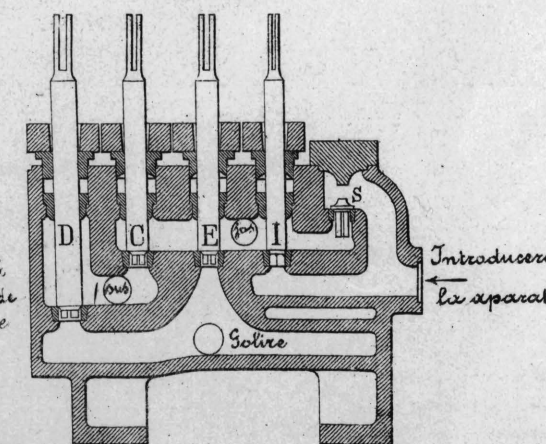
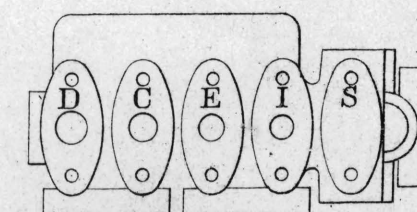
APARAT HYDRAULIC SIMPLU
PENTRU MANEVRA UNEI VANE DE ECLUSE (BELLOT)

Fig. 2.

Fig. 3.
ElevatieFig. 4.
PlanFig. 5.
Secțiunea AB

SERTAR DE DISTRIBUTIE

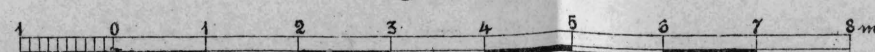
PENTRU UN APARAT HYDRAULIC DE PUTERE SIMPLU

Fig. 6.
ElevatieFig. 7.
PlanFig. 8.
SecțiuneFig. 9.
SecțiuneFig. 10.
Plan

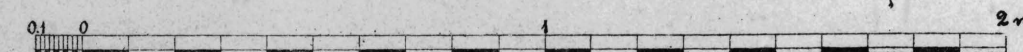
Scara Fig. 1.

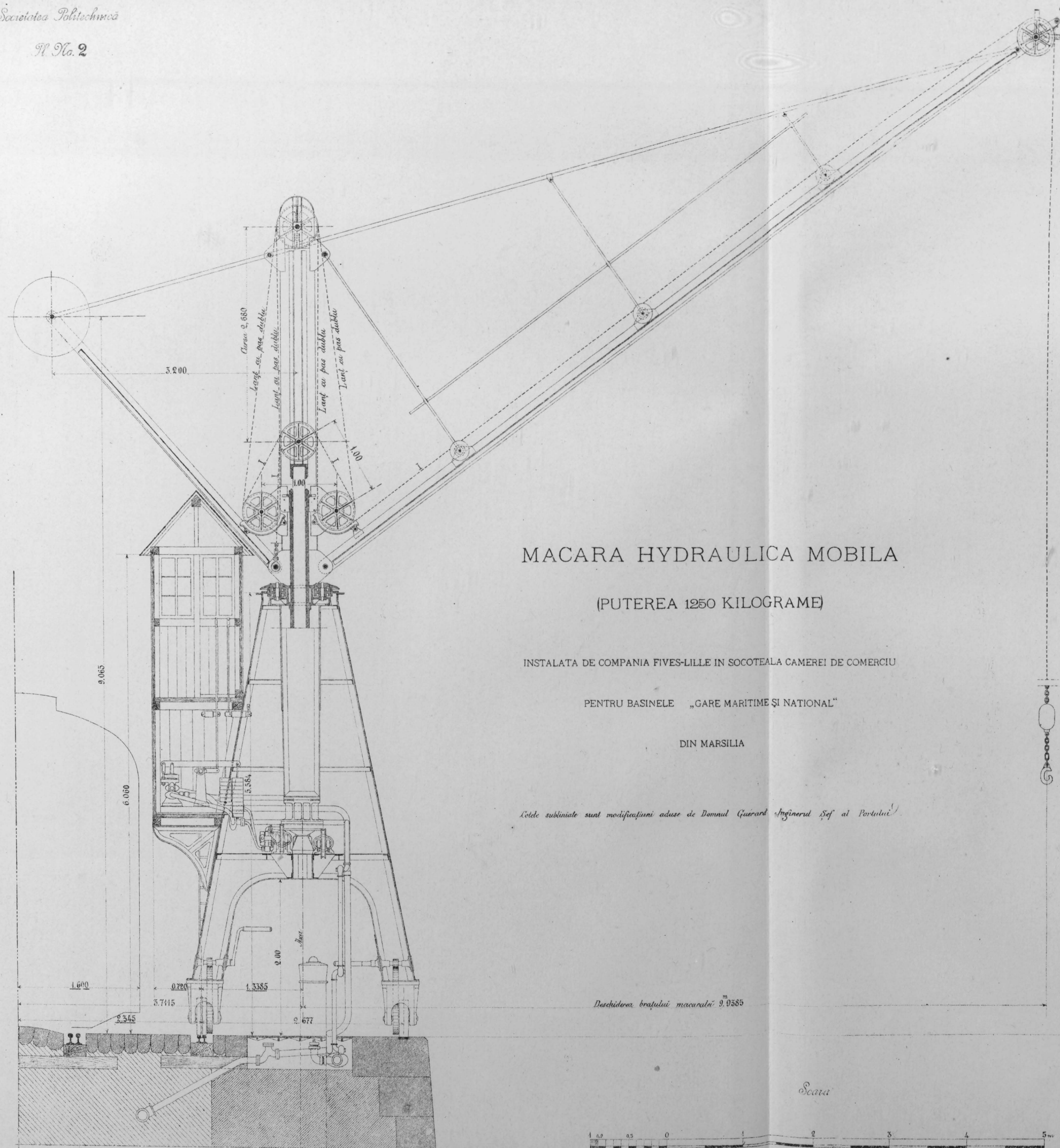


Scara Fig. 2, 3, 4 și 5



Scara Sertarelor





MACARA HYDRAULICA MOBILA

(PUTEREA 1250 KILOGRAME)

INSTALATA DE COMPANIA FIVES-LILLE IN SOCOTEALA CAMEREI DE COMERCIU

PENTRU BASINELE „GARE MARITIME SI NATIONAL”

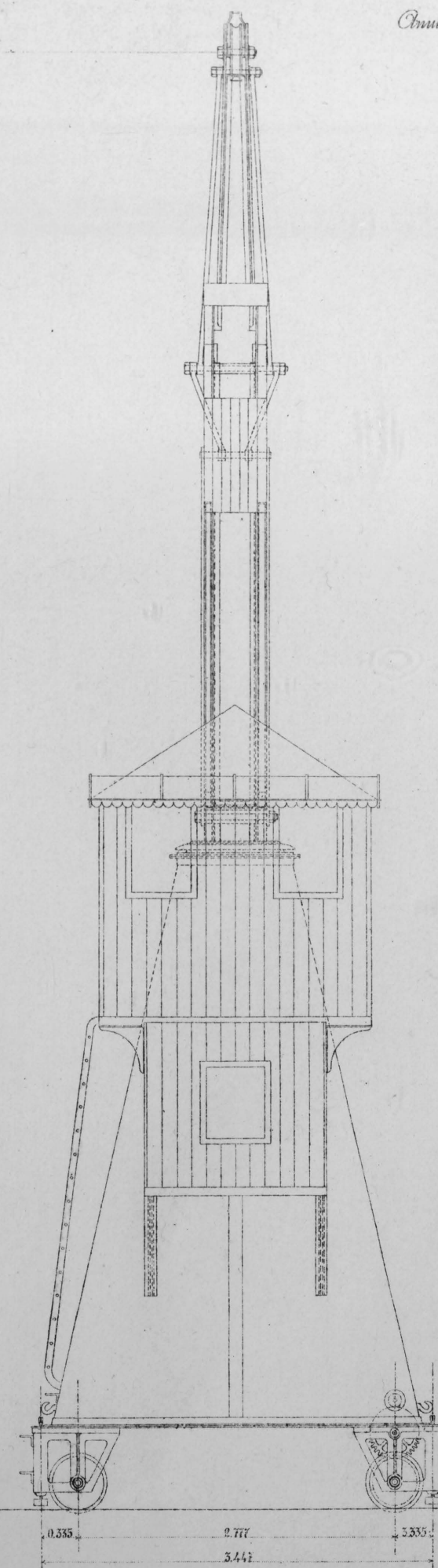
DIN MARSILIA

Cotele subliniate sunt modificări aduse de Domnul Guérard Inginerul Șef al Portului

Deschiderea brațului macaralei 9,9385 m

Scara

De la vârfurile superioare a șantelii la centrul scutului: 9,500



Notă. Numai două roți sunt prevăzute cu mecanismul de translație cu brațe.

MACARA HYDRAULICA MOBILA

(PUTEREA 1250 KILOGRAME)

INSTALATA DE COMPANIA FIVES-LILLE IN SOCOTEA LA COMPANIEI DOGURILOR DIN MARSILIA

PROFIL

SECTIUNEA ab

Dimensiunile principale ale Macaralei

Căminul principal	Înălțimea totală a macaralei din p. a. la p. a.	8.265
	Înălțimea totală a macaralei de la marginea șantului	7.500
	Înălțimea de montare	970
Aparatul de ridicare	Puterea aparatului de ridicare	1250
	Diamentul pistonului plunger	165
	Diamentul pistonului plunger	5.060
Aparatul de ridicare	Diamentul pistonului plunger	6
	Diamentul pistonului plunger	16
	Diamentul pistonului plunger	18.000
Aparatul de ridicare	Diamentul pistonului plunger a aparatului de ridicare	30
	Diamentul pistonului plunger a aparatului de ridicare	1.030
	Diamentul pistonului plunger	6
Aparatul de ridicare	Diamentul pistonului plunger	16
	Diamentul pistonului plunger	870

SECTIUNEA ef

SECTIUNEA cd

Fig. 1. MACARA HYDRAULICA MOBILA
(PUTEREA 750 ȘI 1500 KILOGRAME)

ANVERS

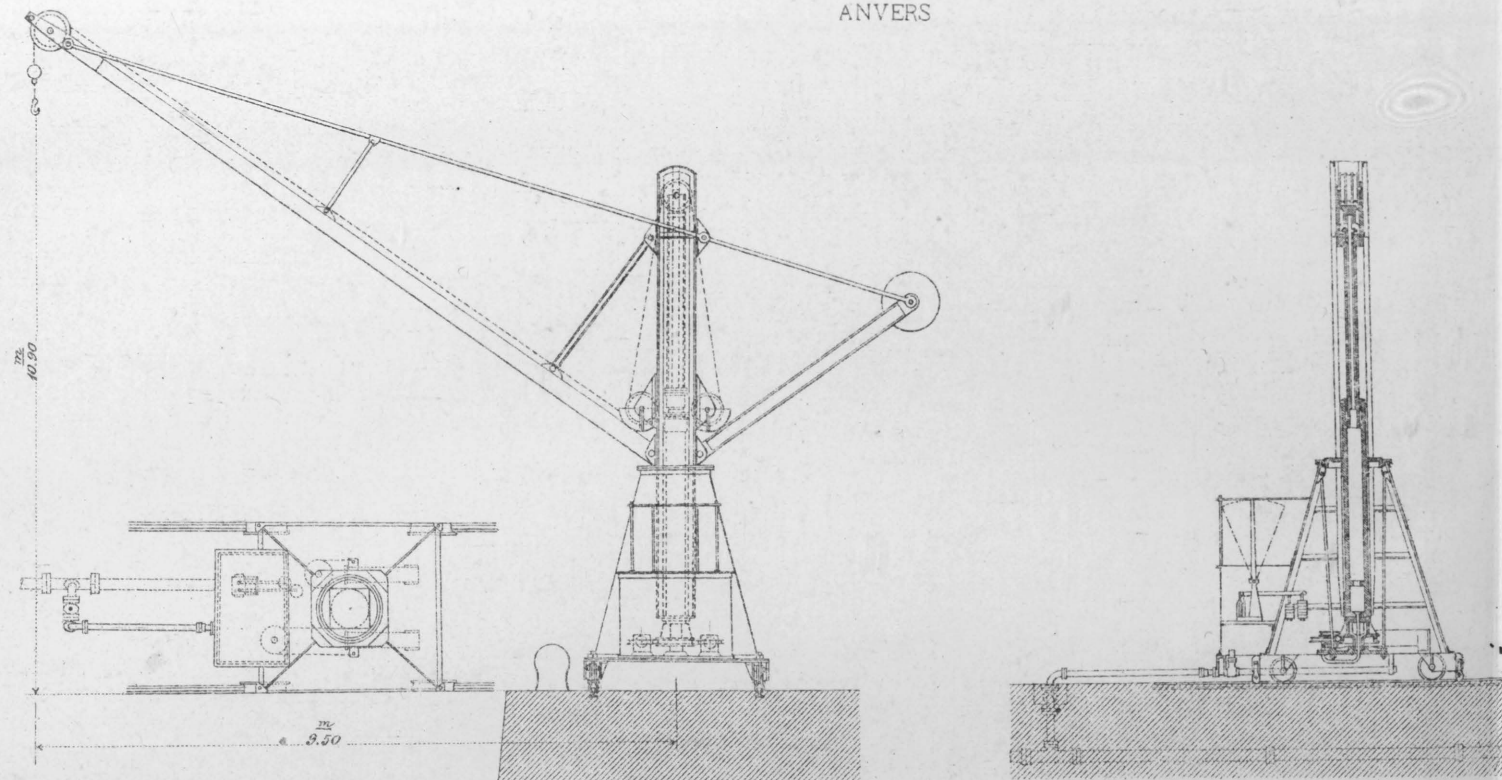


Fig. 2. MACARA HYDRAULICA MOBILA
(PUTEREA 750 ȘI 1500 KILOGRAME)

ANVERS

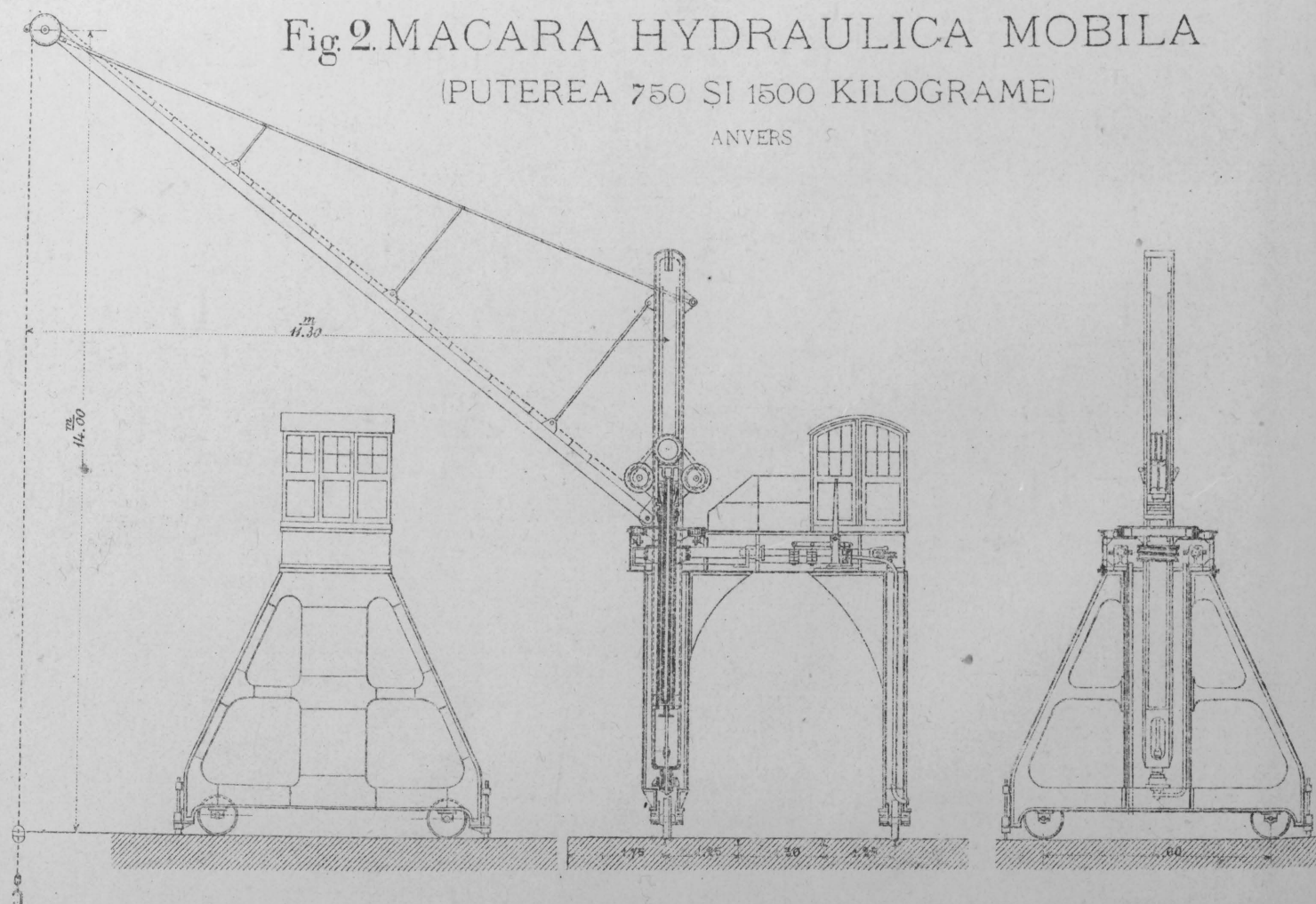


Fig. 3. MACARA HYDRAULICA MOBILA
(PUTEREA 750 SI 1500 KILOGRAME)

CHEUL ESCAUT, ANVERS

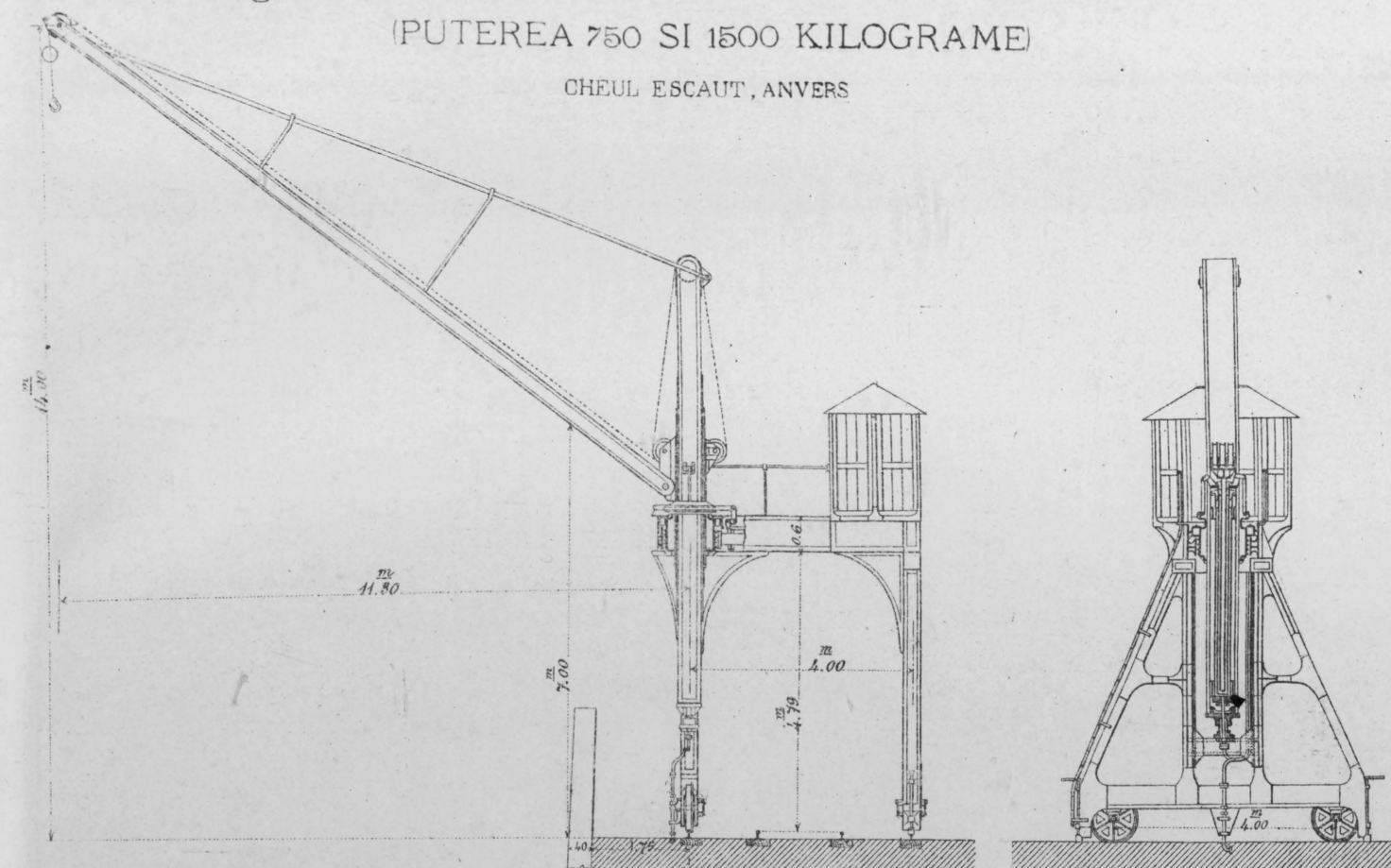
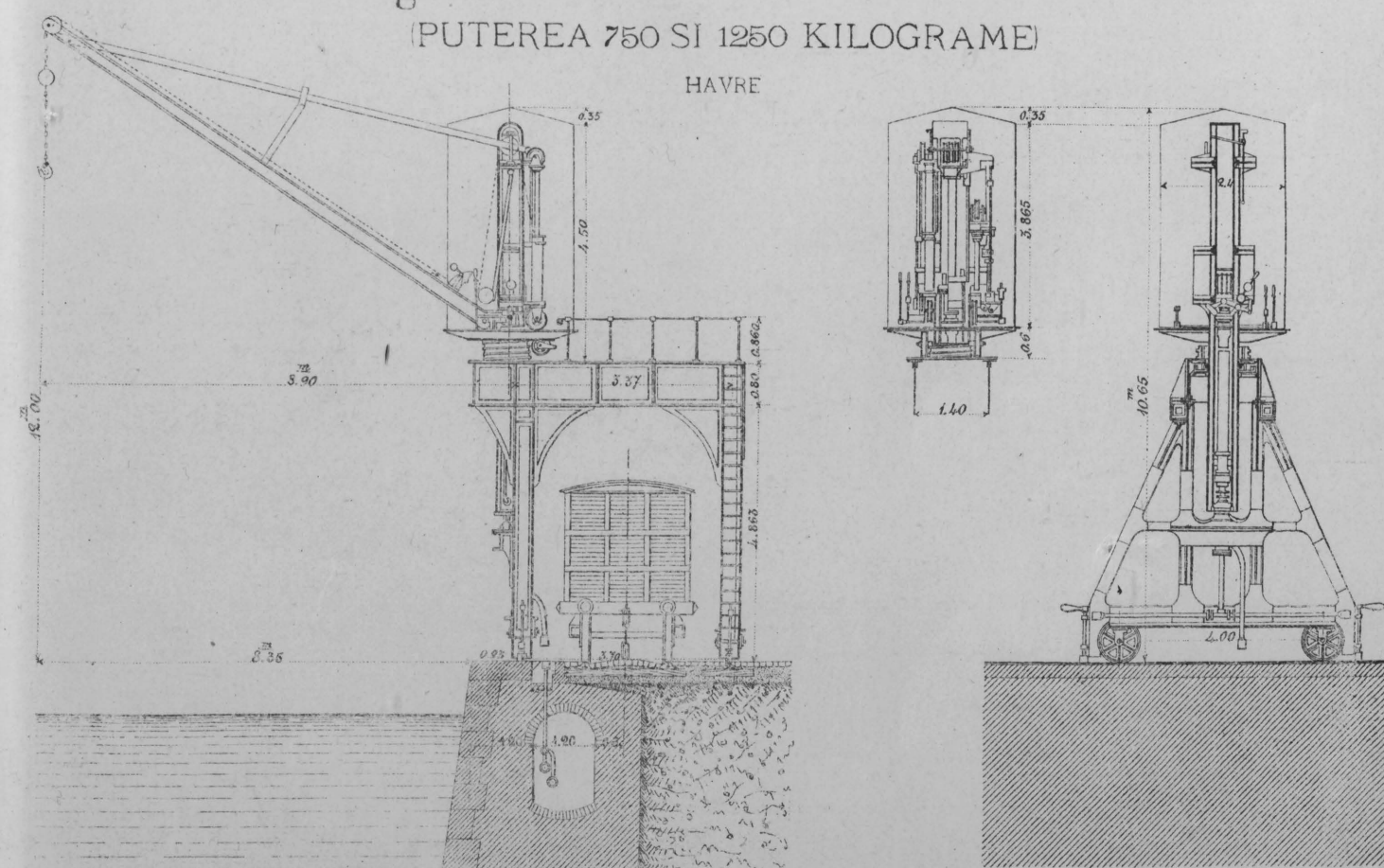


Fig. 4. MACARA HYDRAULICA
(PUTEREA 750 SI 1250 KILOGRAME)

HAVRE

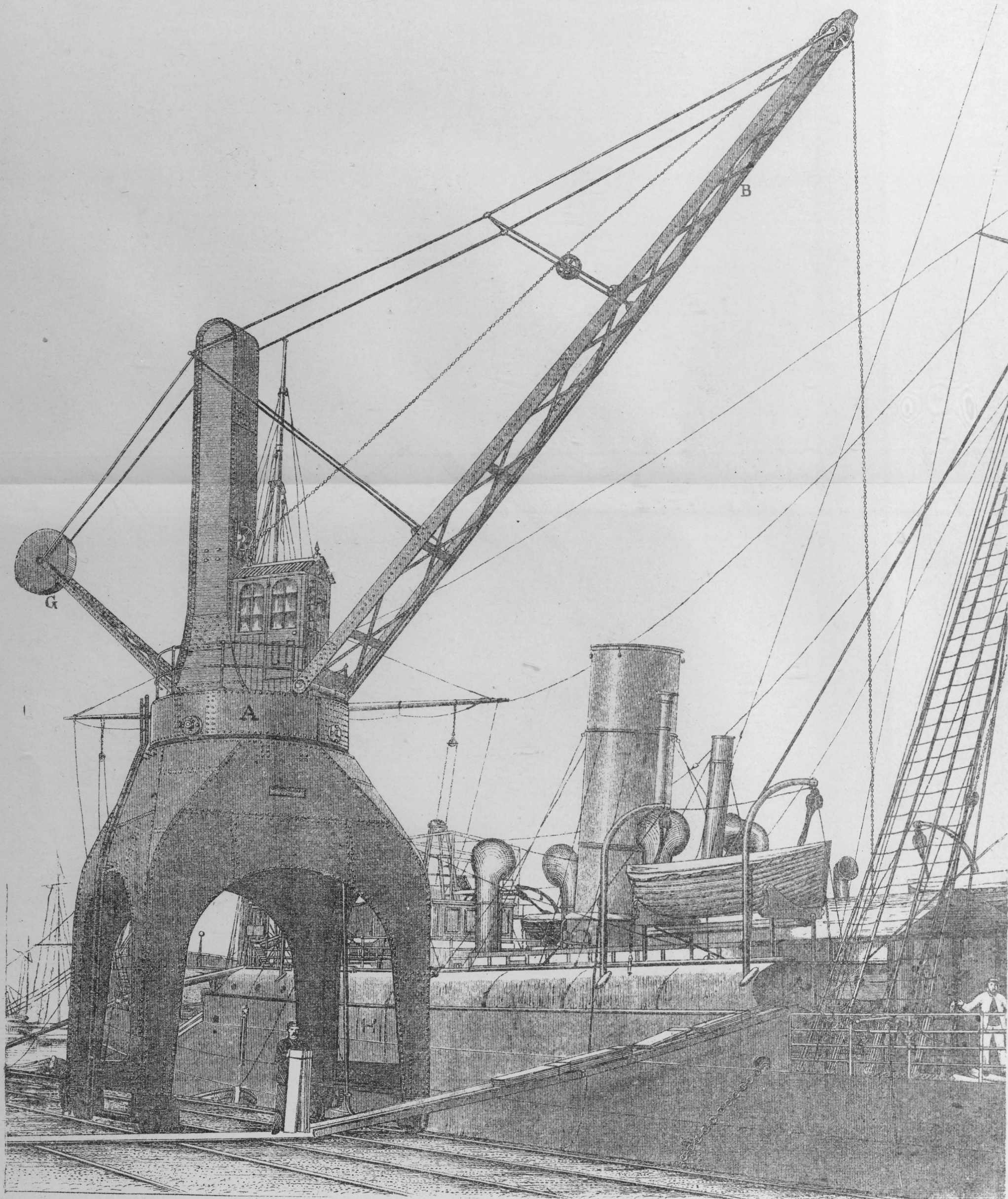


MACARA HYDRAULICA MOBILA

(PUTEREA 1500 KILOGRAME)

GENOVA ȘI TILBURY DOCK (LONDRA)

Anul 1890

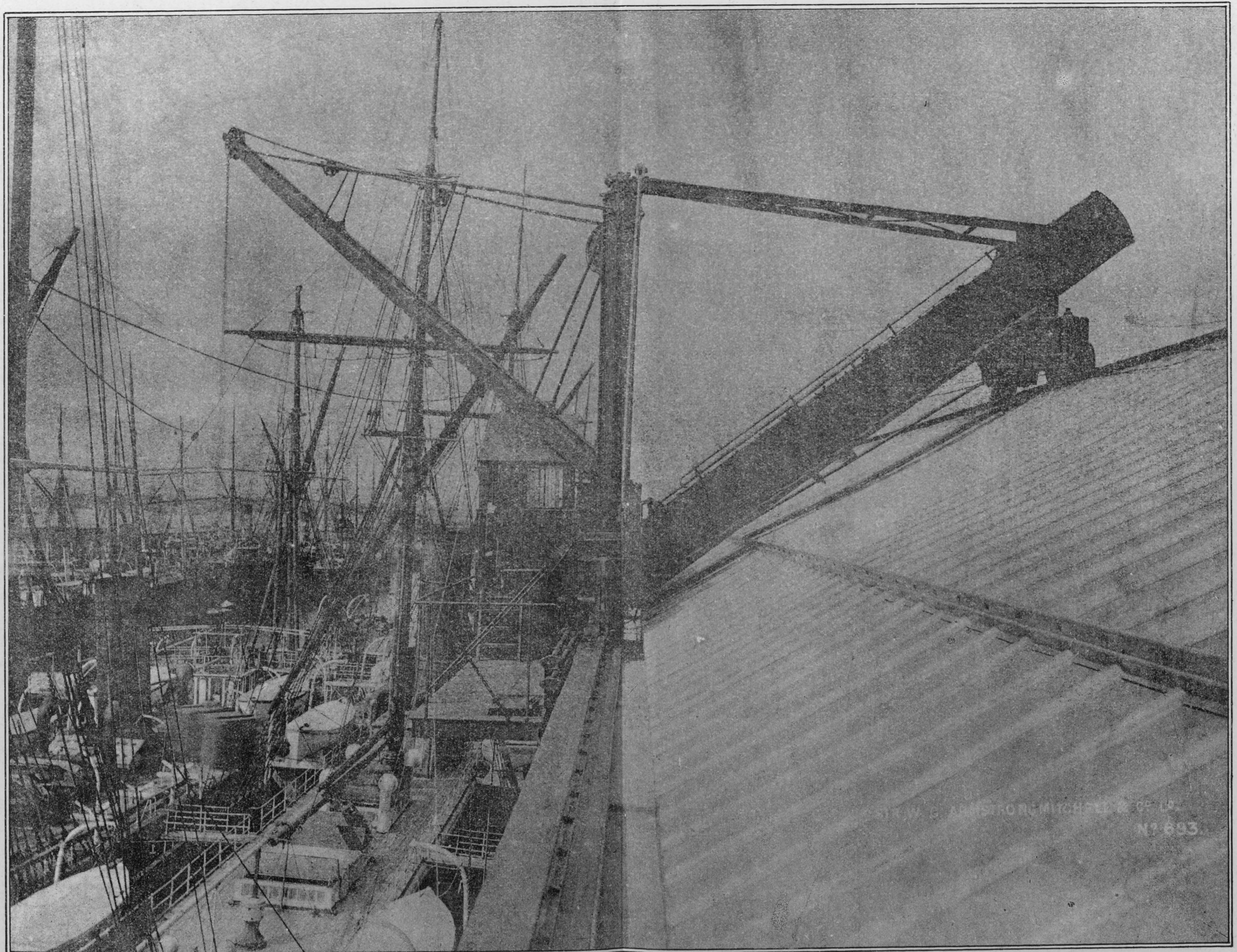


MACARA HYDRAULICA MOBILA

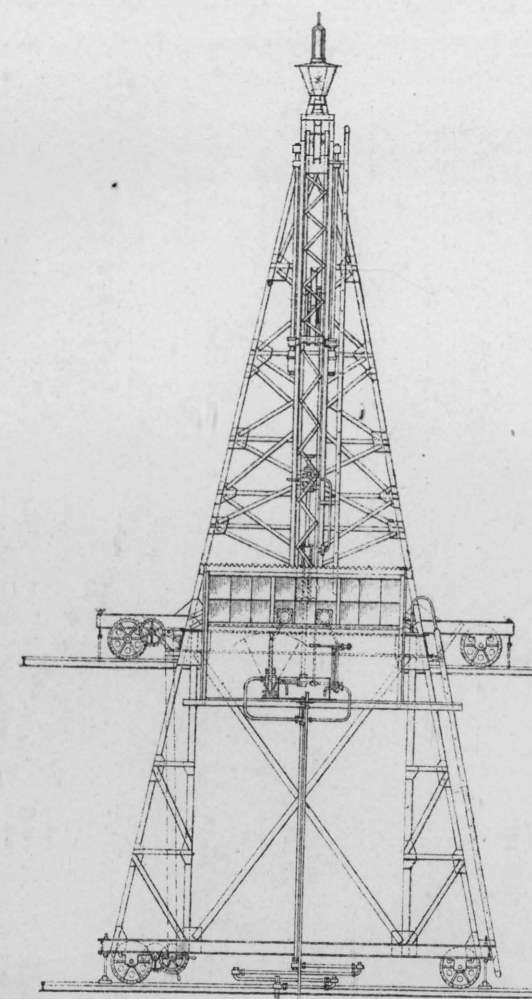
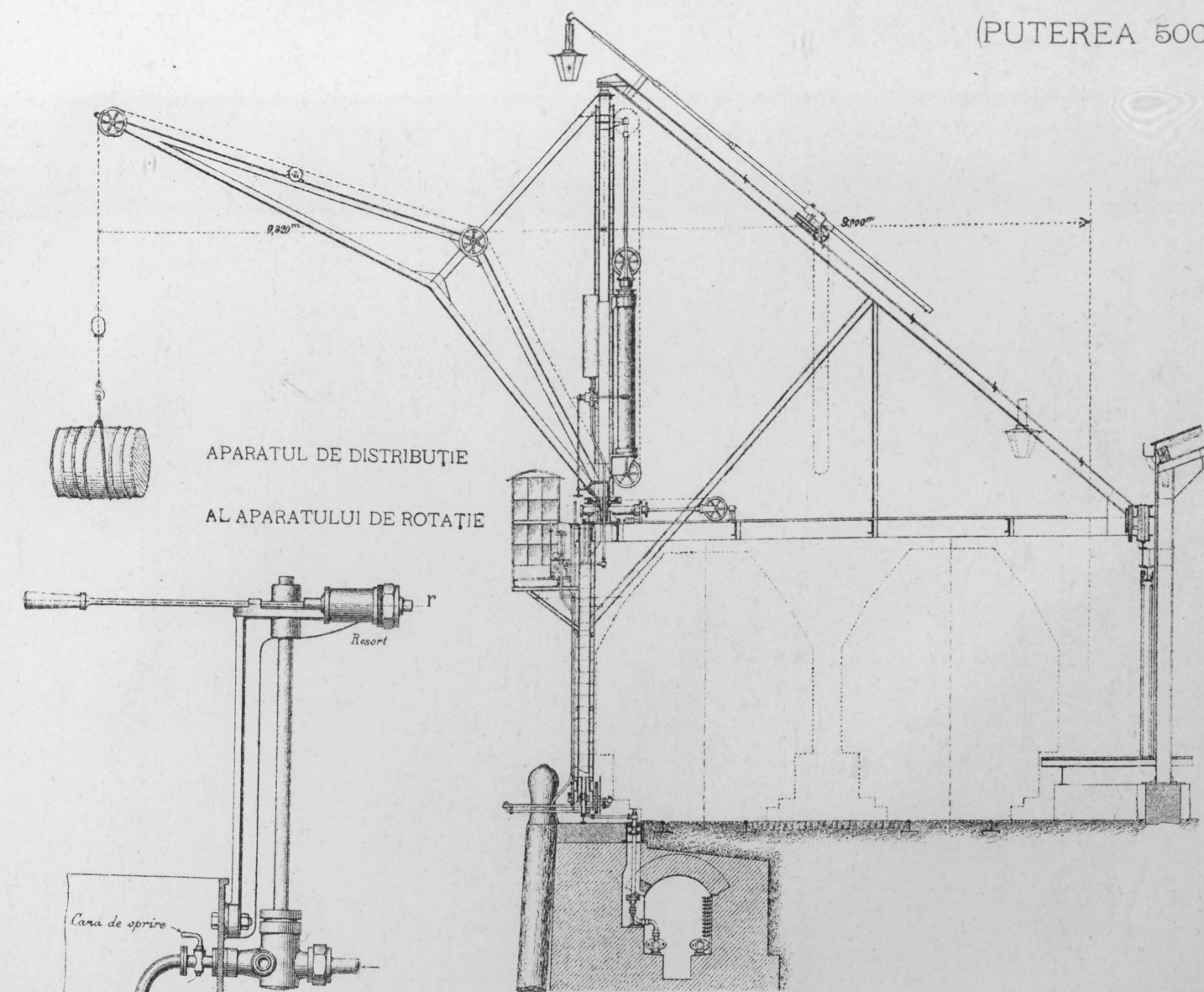
(PUTEREA 1500 KILOGRAME)

LIVERPOL

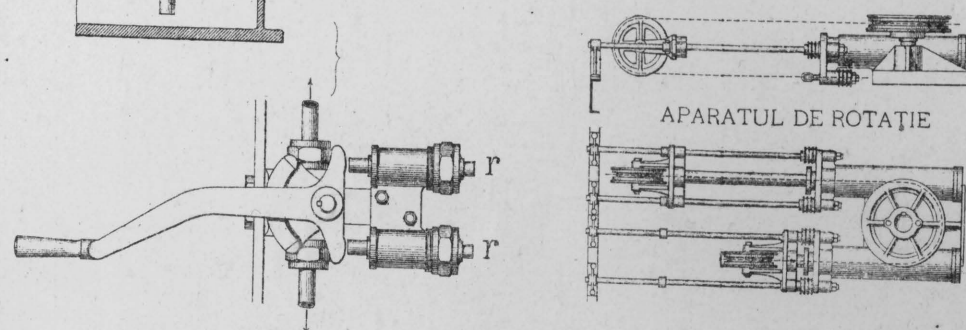
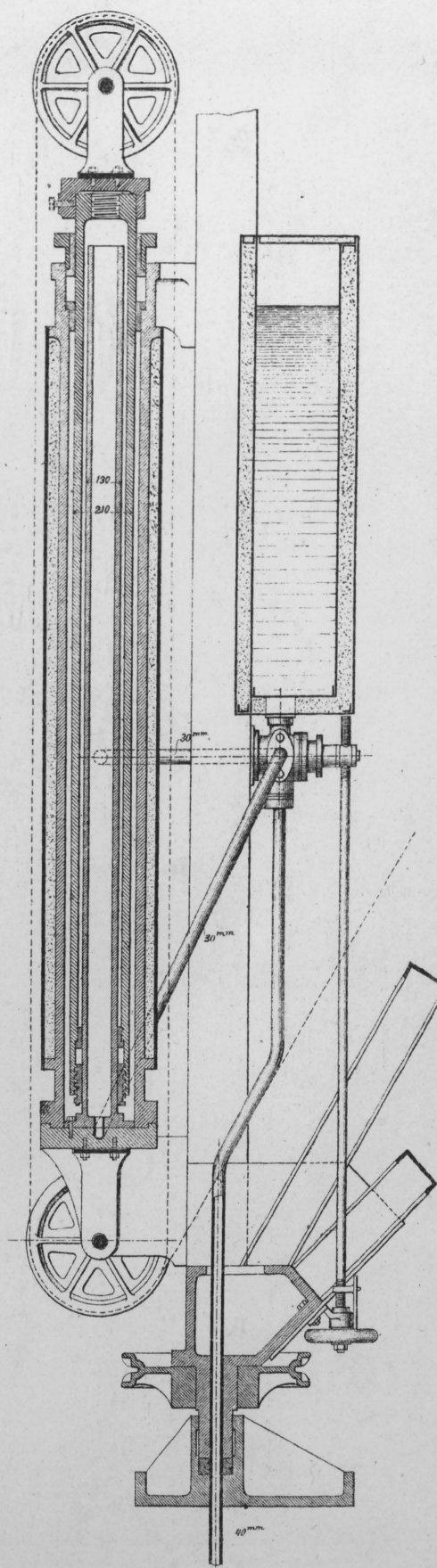
Anul 1890



(PUTEREA 500, 1000 ȘI 1500 KILOGRAME)

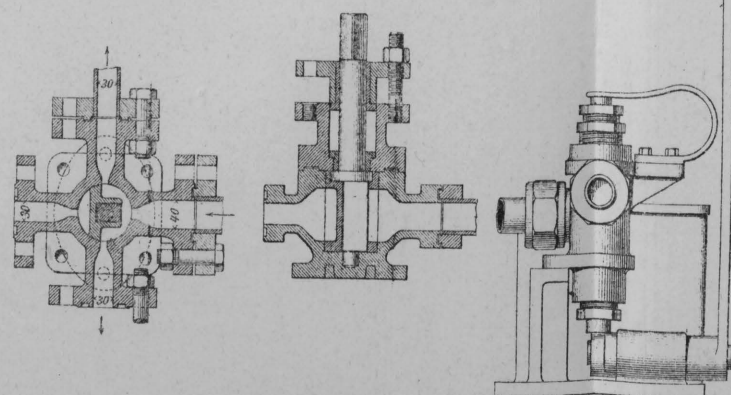


APARATUL DE RIDICARE



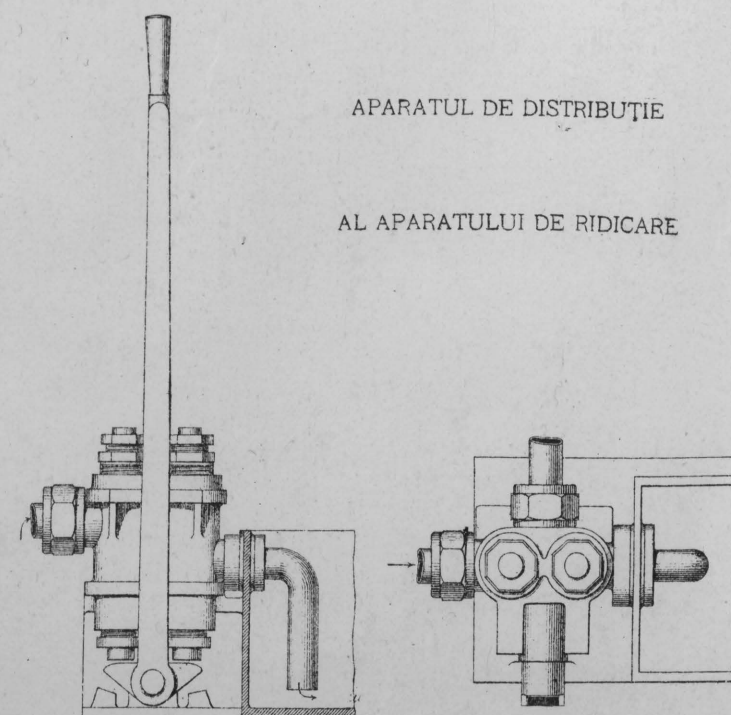
DISTRIBUITORUL PENTRU

SARCINI MULTIPLE



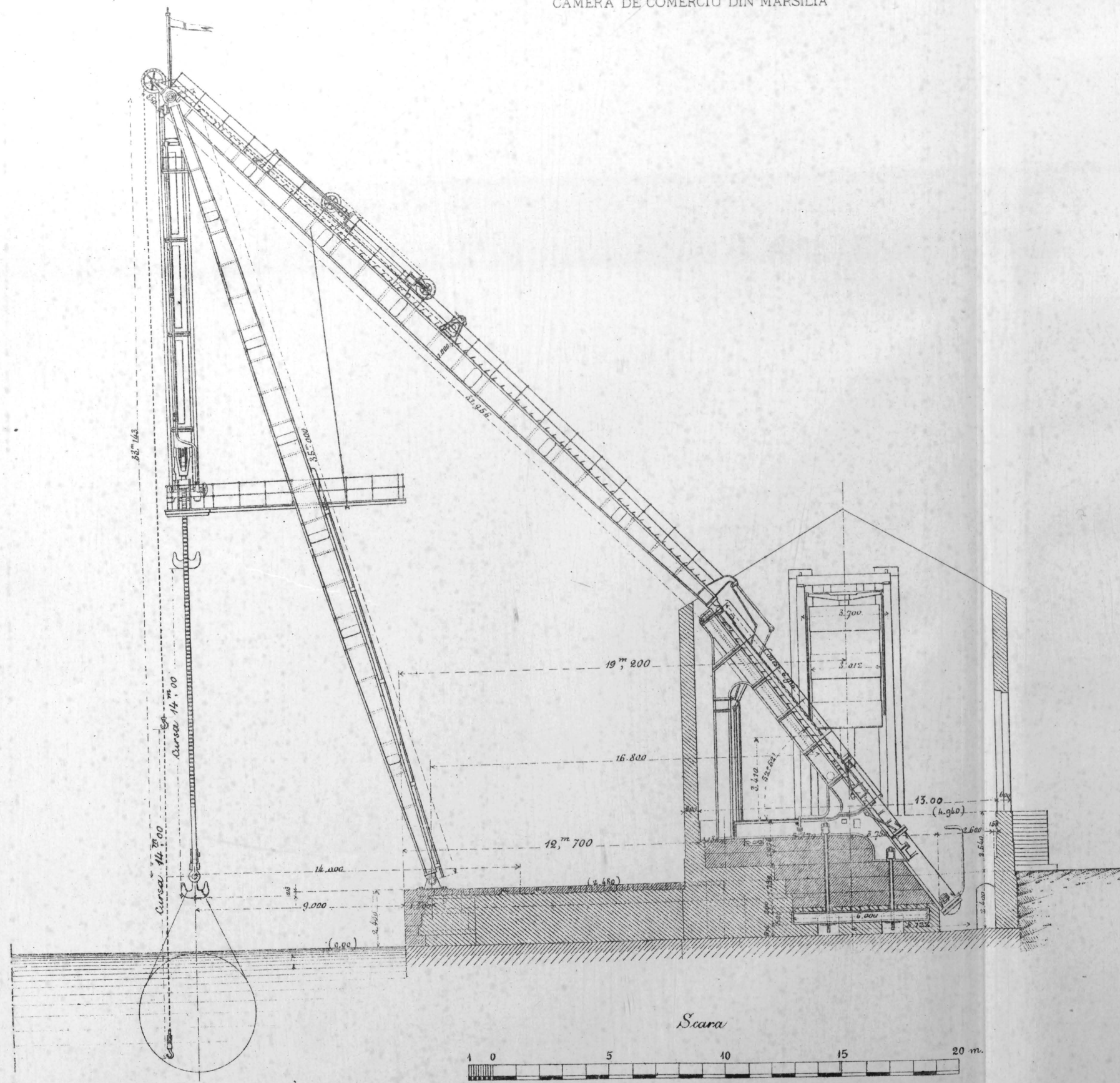
APARATUL DE DISTRIBUȚIE

AL APARATULUI DE RIDICARE



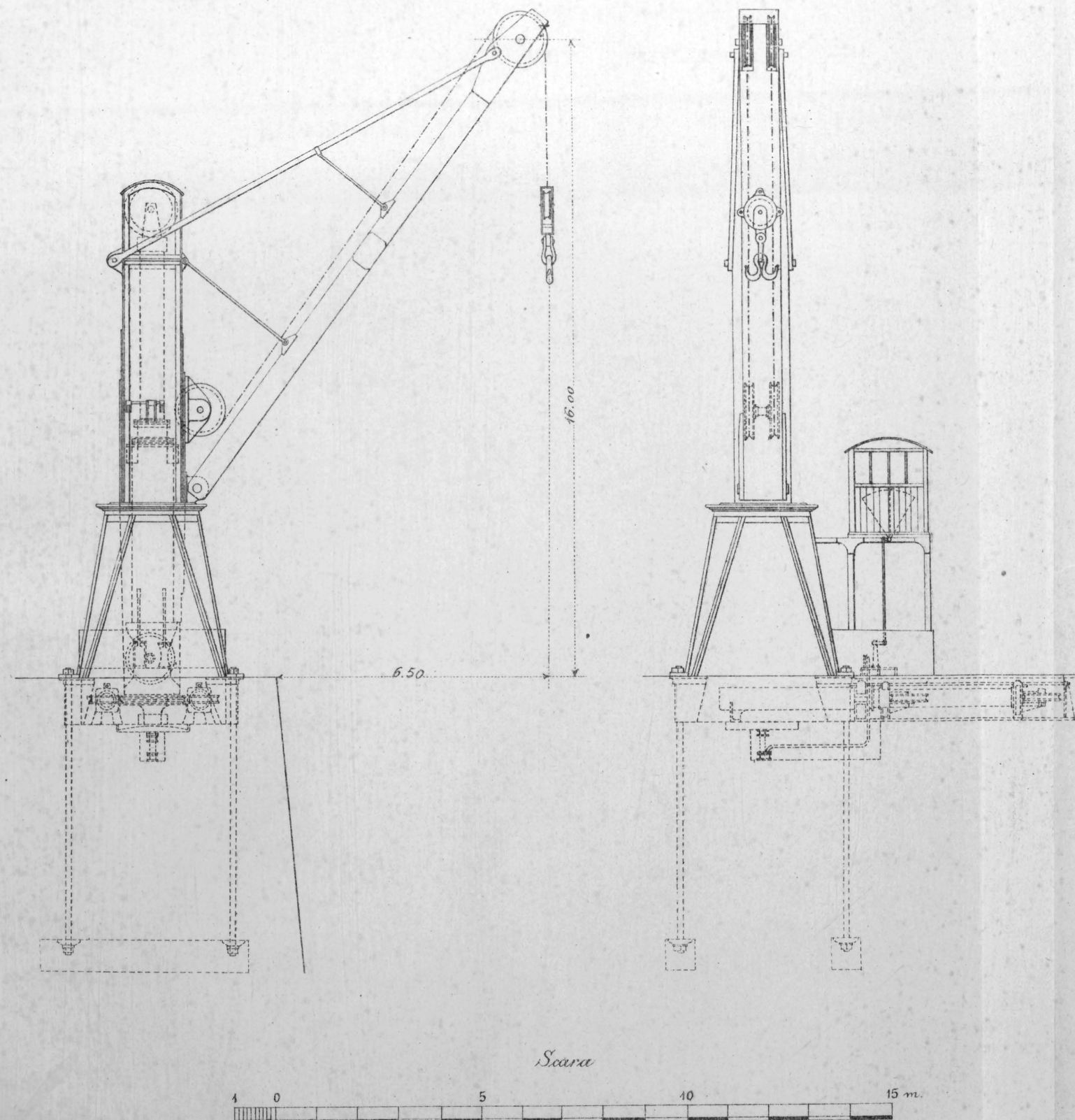
(PUTEREA 120 TONE

CAMERA DE COMERCIU DIN MARSILIA



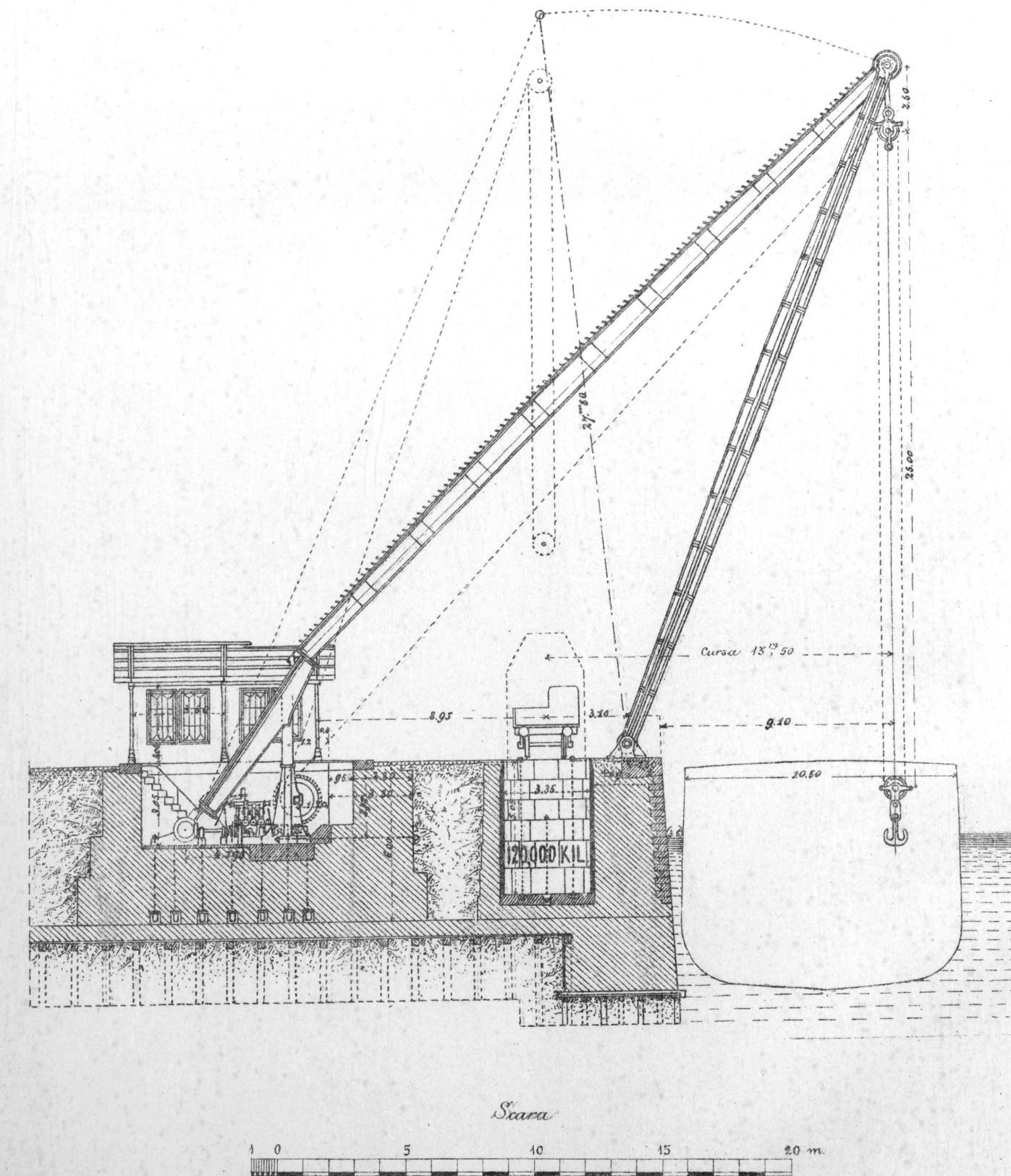
(PUTEREA 40 TONE

(ANSWERS)



(PUTEREA 120 TONE

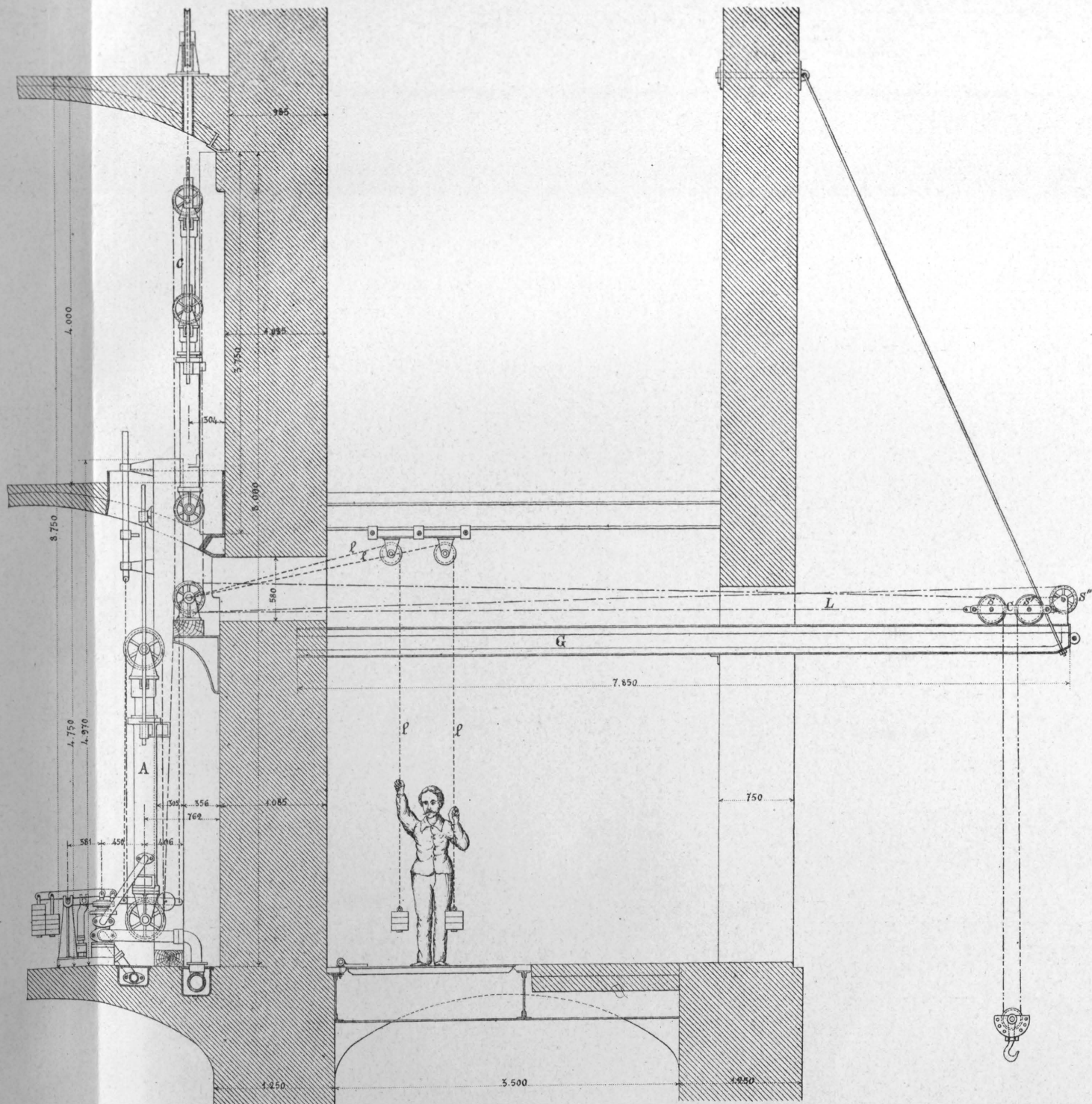
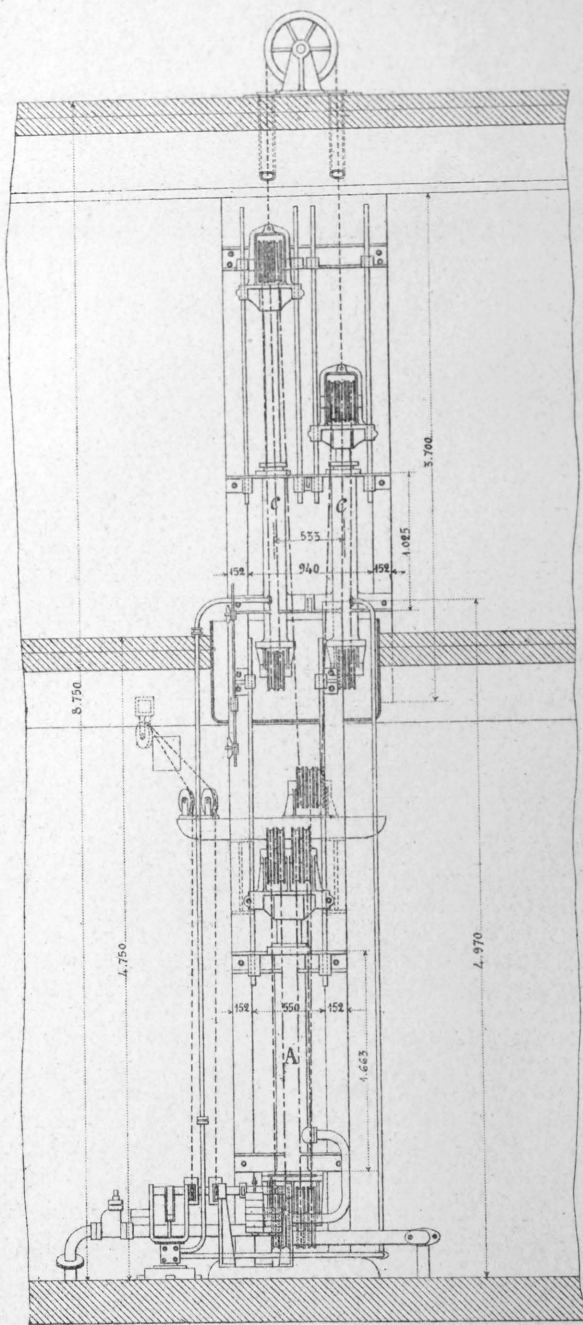
(ANSWERS)



MACARA DE PIVNITA
(PUTEREA 1500 KILOGRAME)

Anul 1890

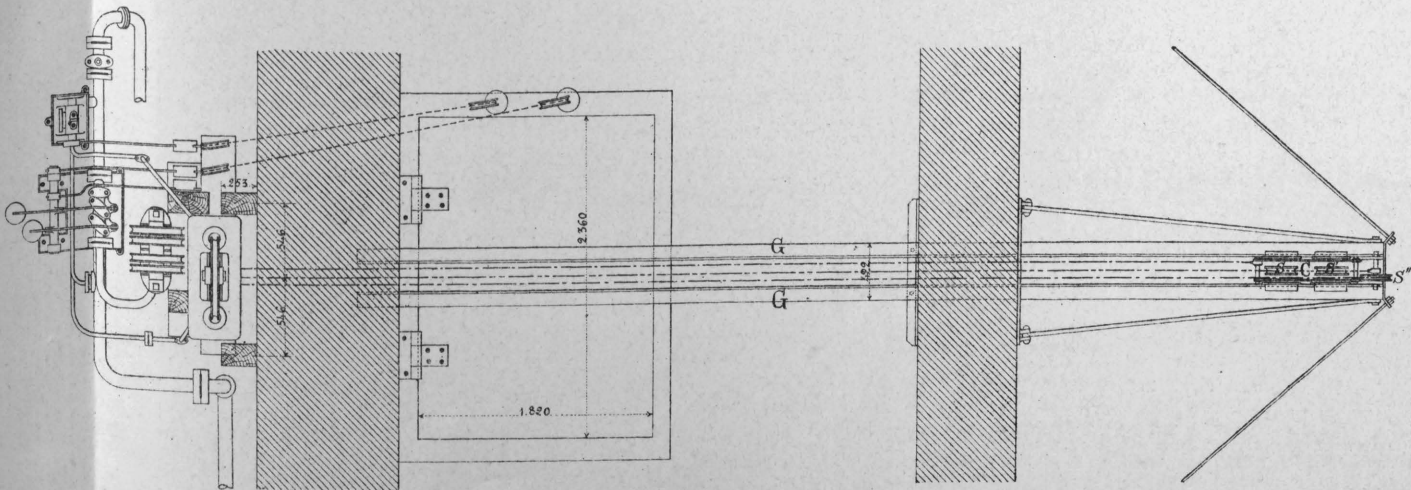
DOCURILE DIN MARSILIA



LEGENDA

Ronjeorul aparatului de ridicat {Cursa 1^m, 448; Diam. 172^m/_m
Înălțimea de ridicare 5^m, 971
Ronjeorul aparatului de mișcare al căruciorului {Cursa 1^m, 067; Diam. 95^m/_m
Cursa căruciorului 6^m, 401

Scara



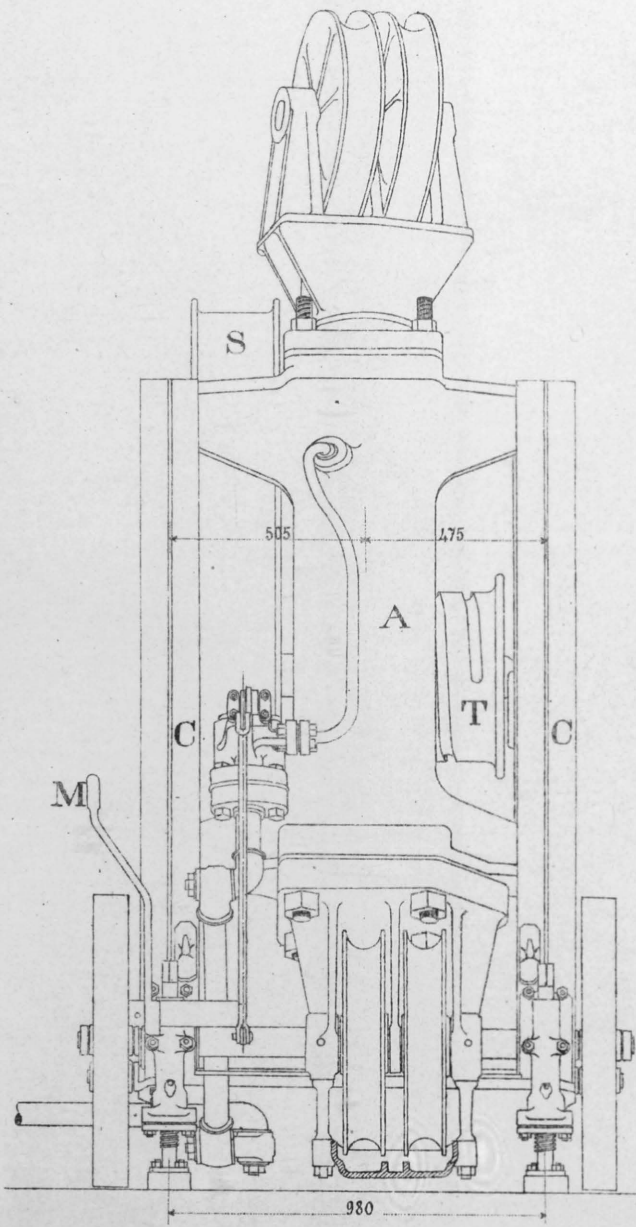
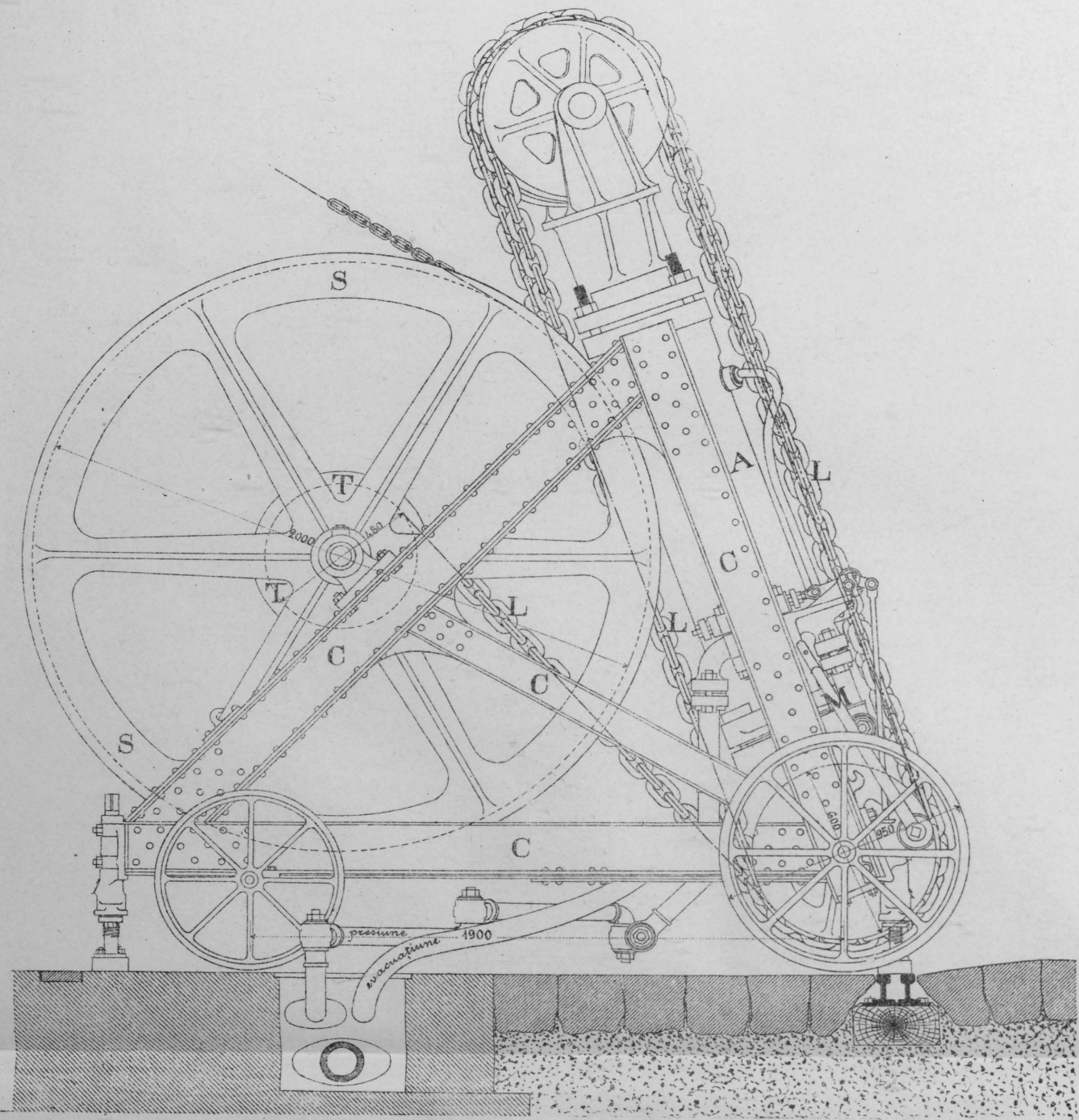
TROLIU HYDRAULIC MOBIL

Anul 1890

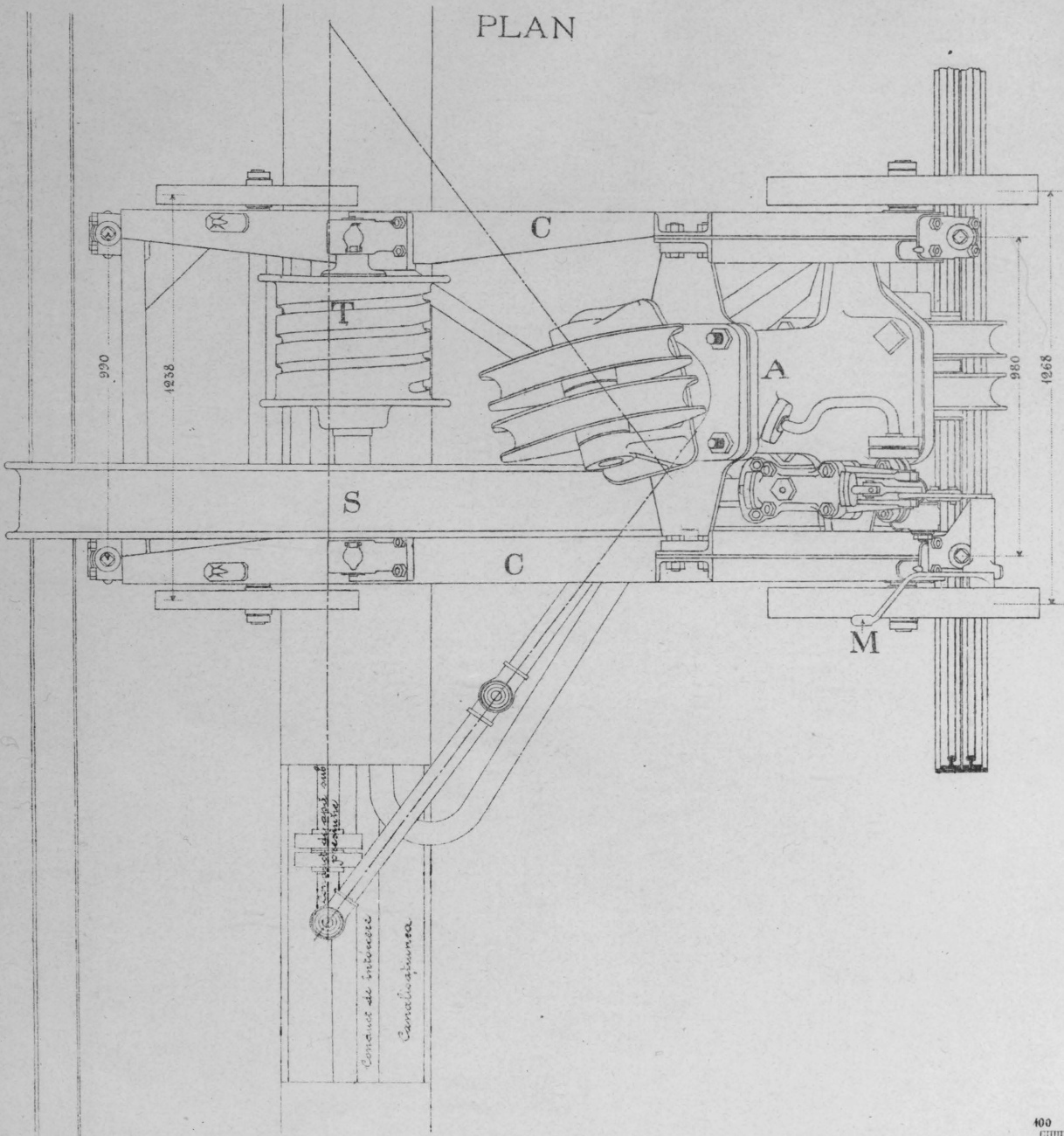
ELEVATIE

(JIGGER)

RABATERE



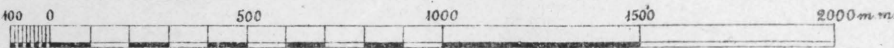
PLAN



LEGENDA

Diametrul pistonului	280 mm
Cursa pistonului	1,000 m
Diametrul cotei pistonului	260 mm
Presiune pe cota pistonului	26.500 kg
Numărul firelor de lanț	14
Diametrul lanțului	25 mm
Diametrul micului tambur de înfășurare	280 mm
Numărul de învârtiri corespunzător cursei totale a pistonului	2,650
Diametrul de înfășurare al tamburului cel mare	2,000 m
Cursa maximă a cârligului de susținere a sarcinii	46,640 m
Sarcina maximă	4000 kg
Diametrul lanțului de susținere a sarcinii	12 mm
Viteza de ridicare a sarcinii pe secundă	1,300 m

Scara



ASCENSOR HYDRAULIC
(PUTEREA 1500 KILOGRAME)

Anul 1890

DOCURILE BRAILA ȘI GALAȚI

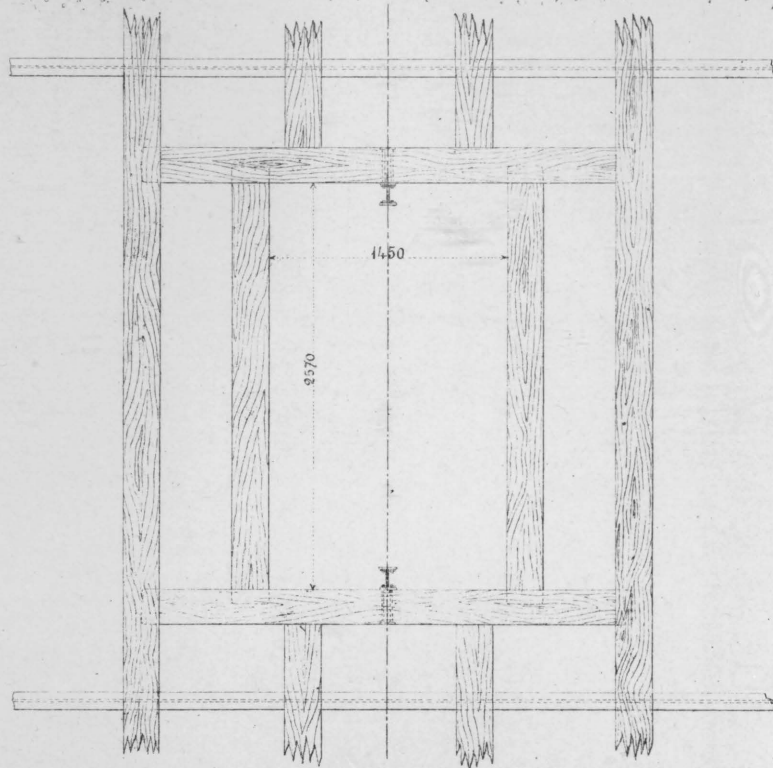
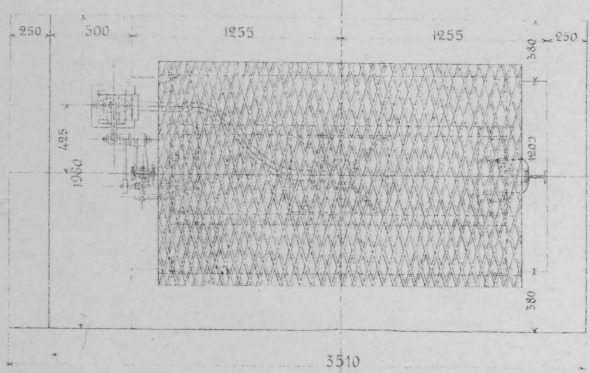
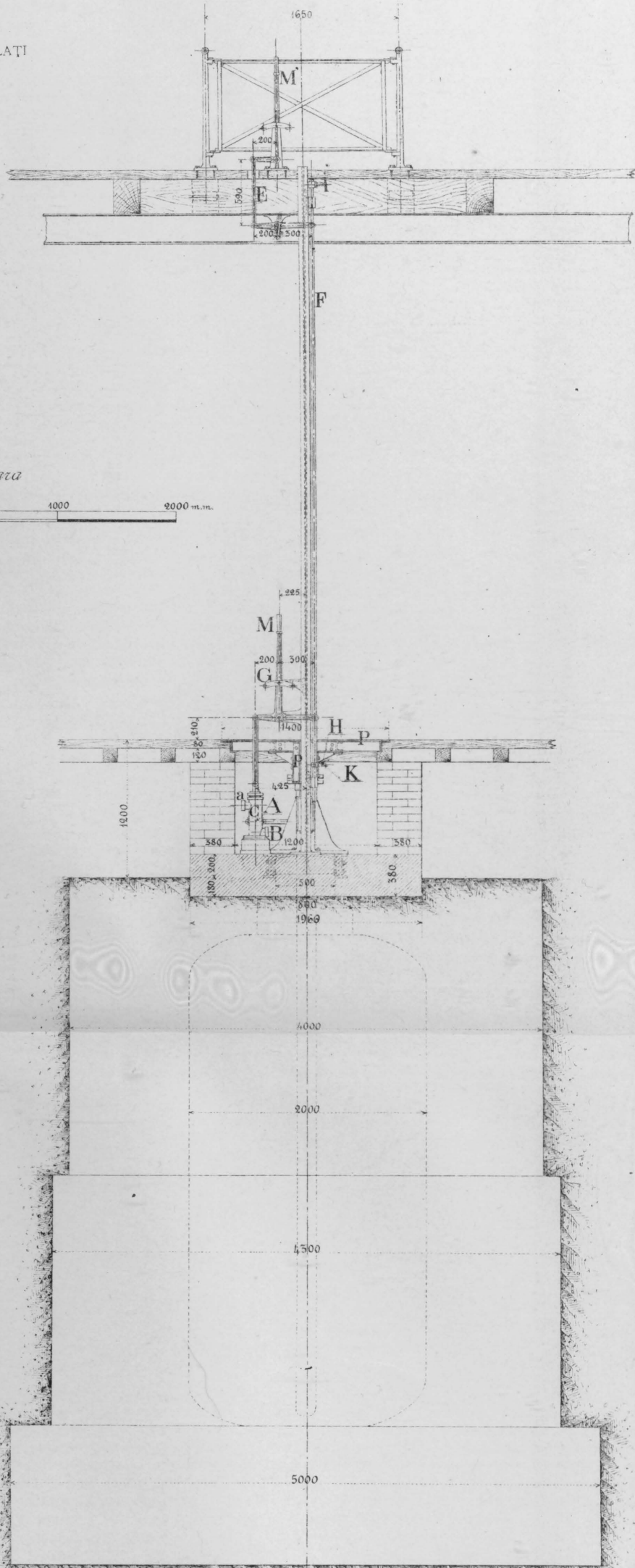
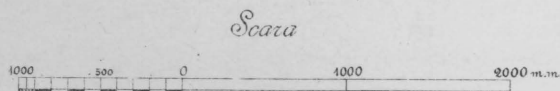
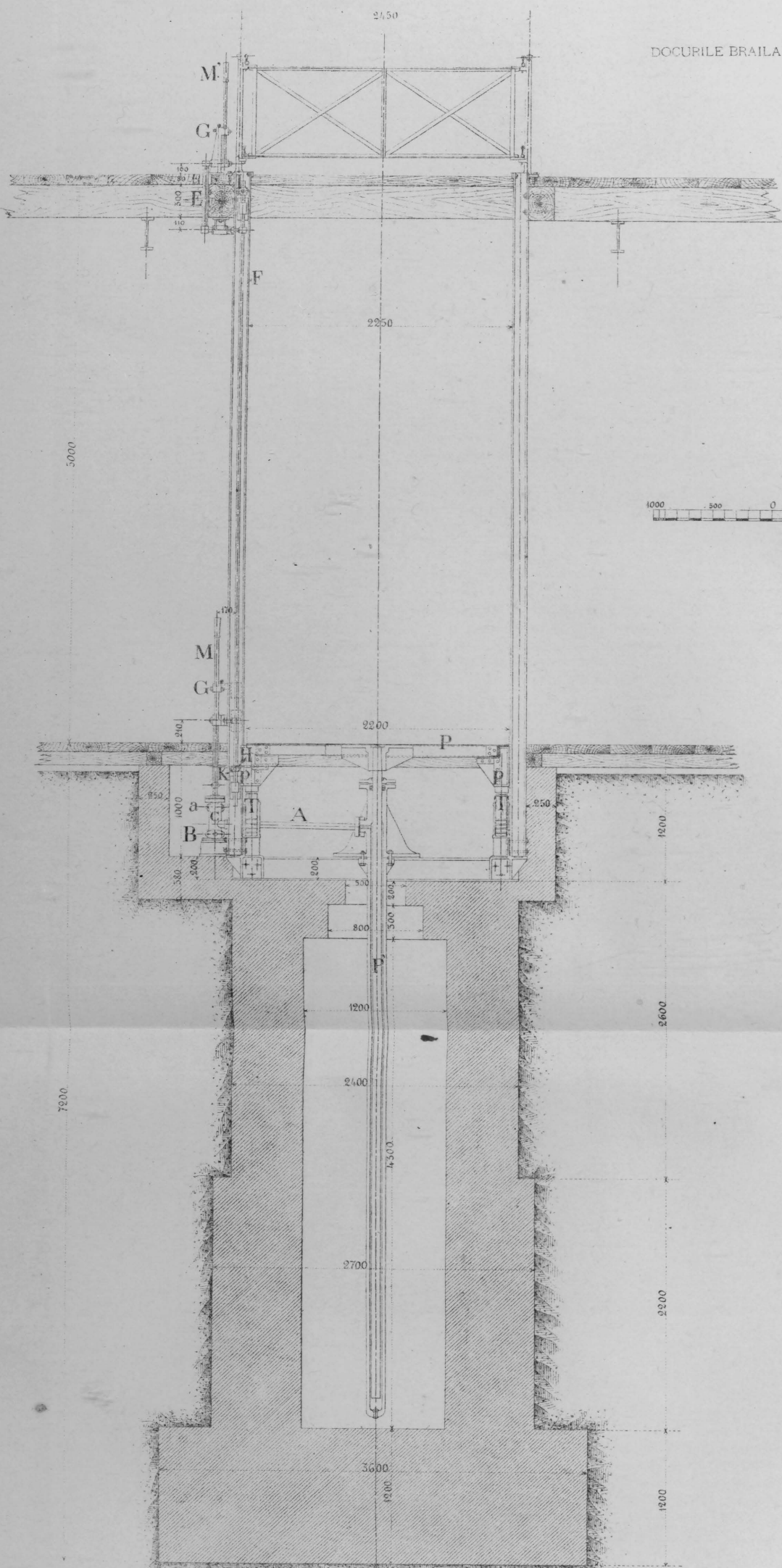


Fig. 1

CABESTAN HYDRAULIC

(PUTEREA 1 TONA)

(ANVERS)

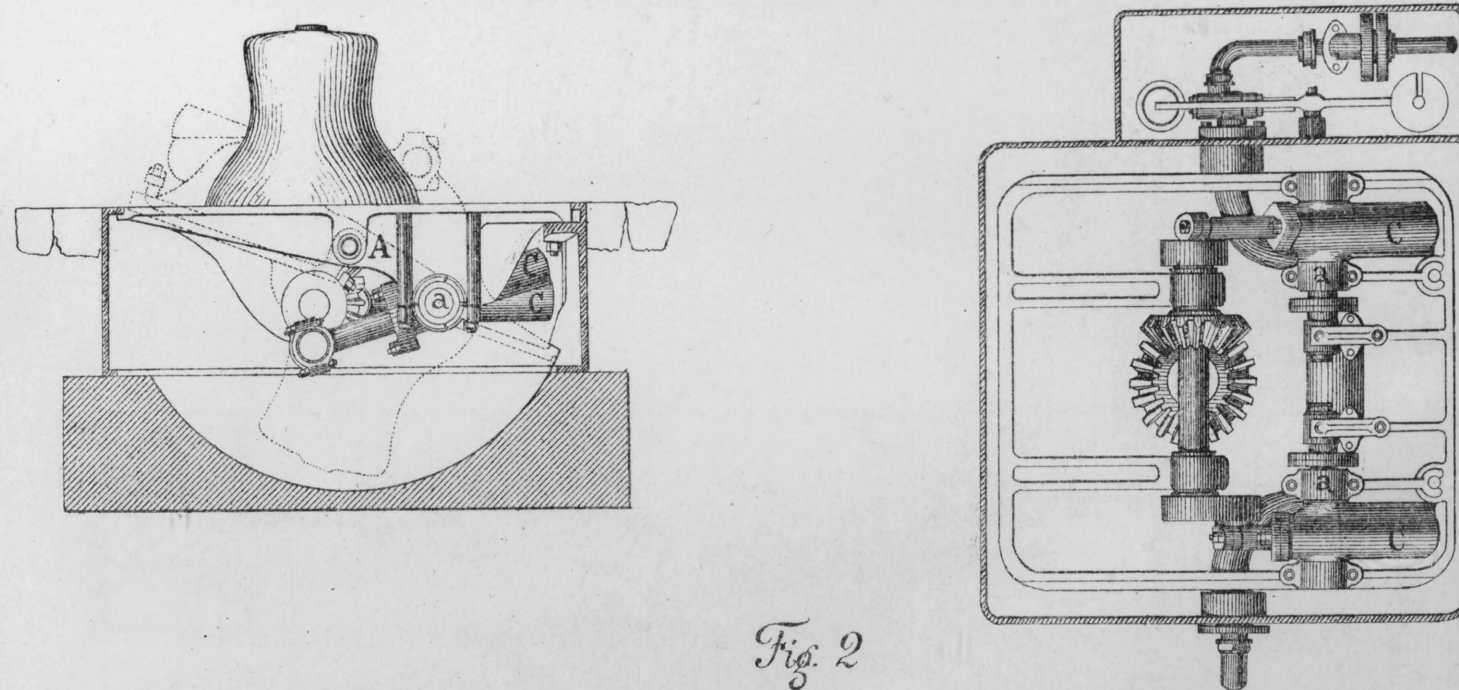


Fig. 2

CABESTAN HYDRAULIC

(PUTEREA 5 TONE)

(ANVERS)

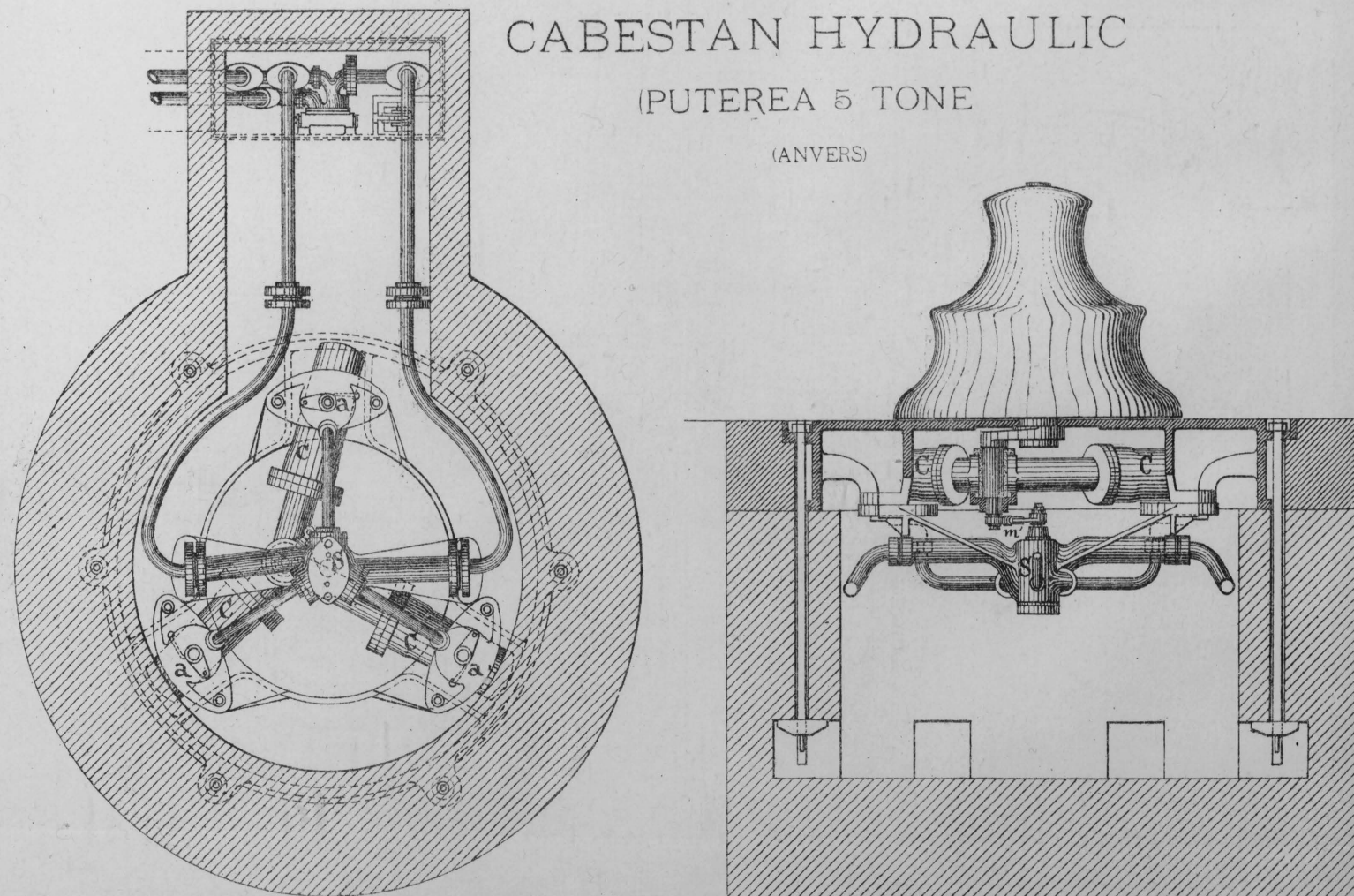
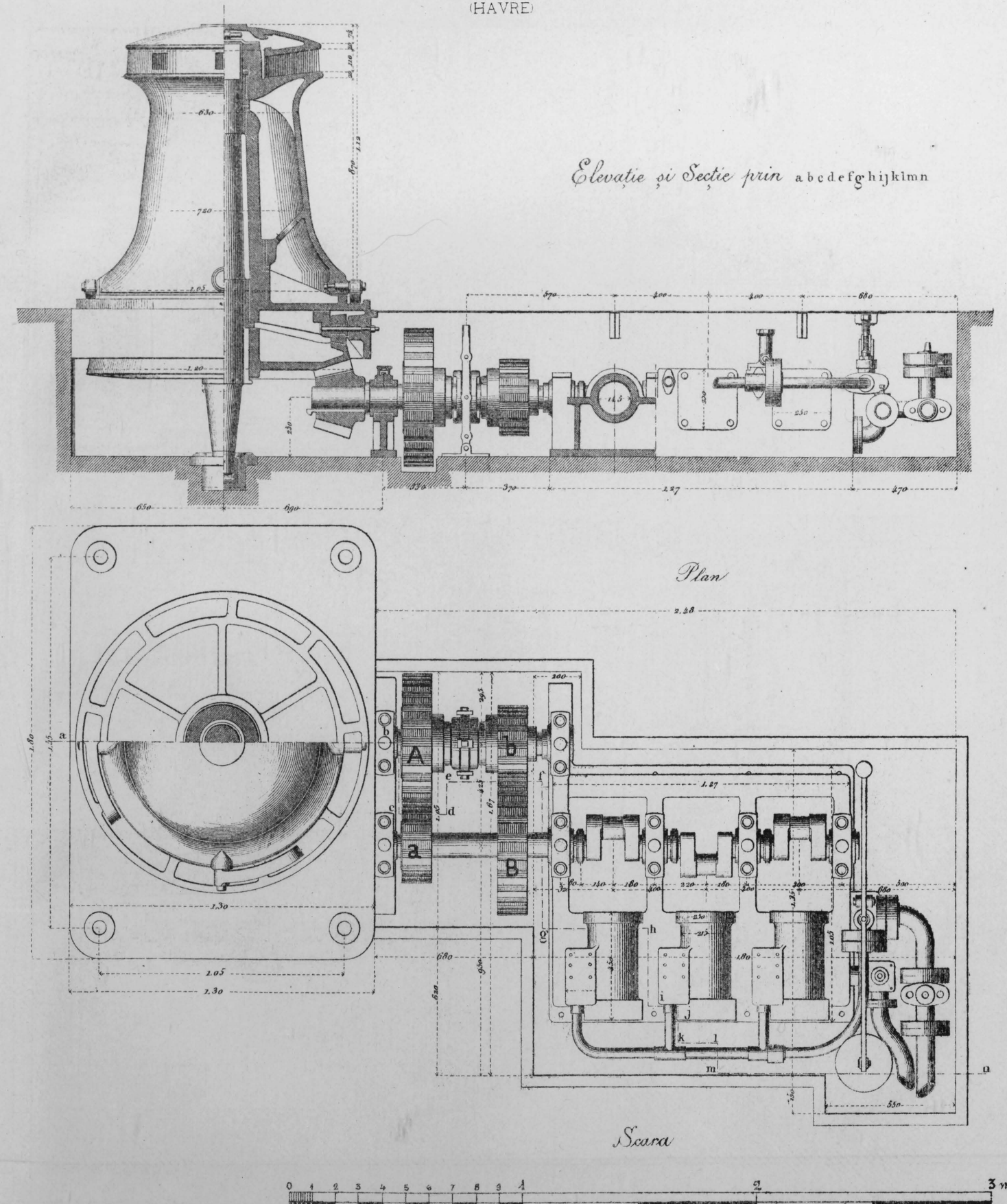


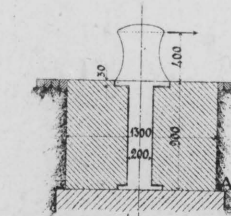
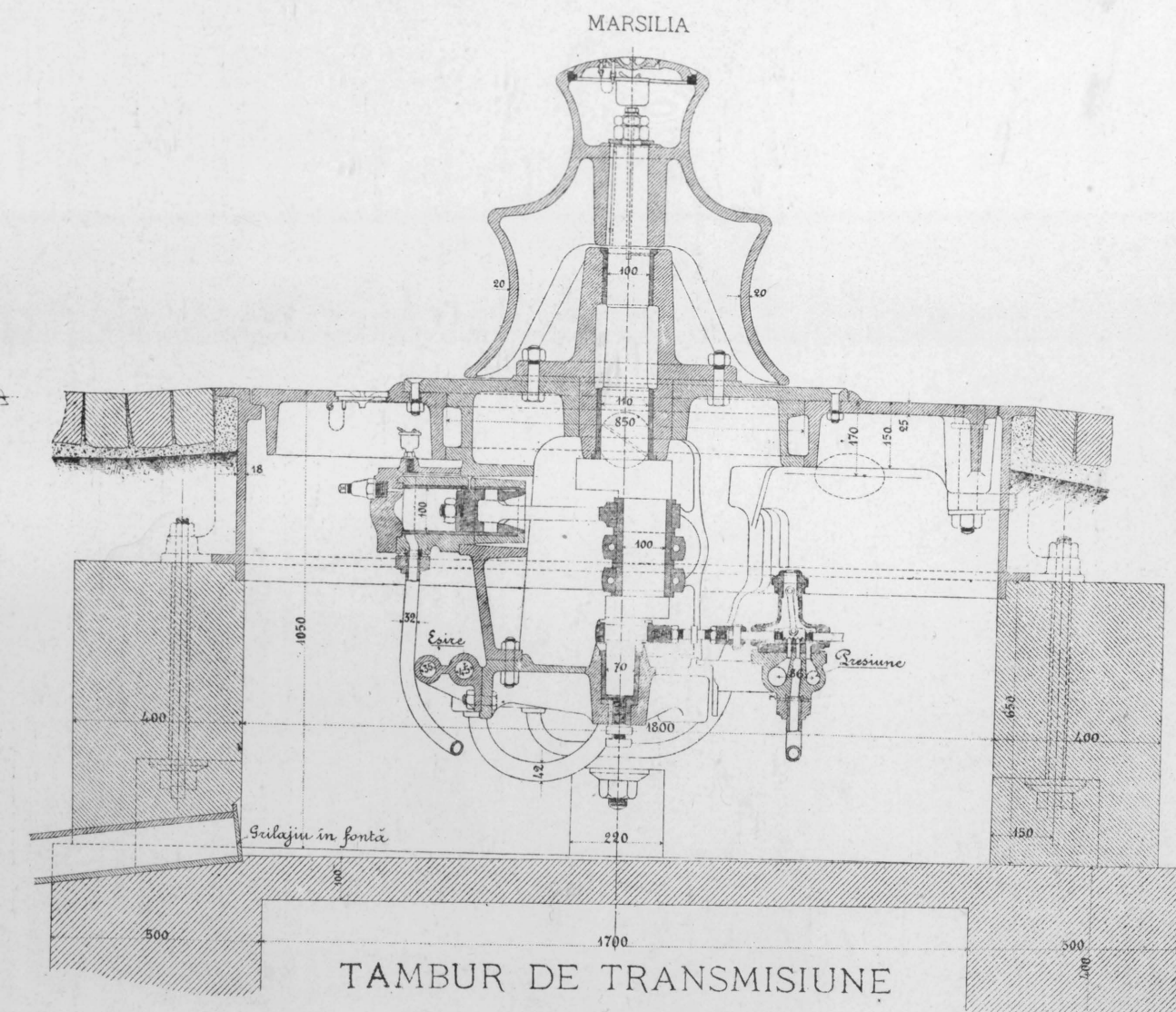
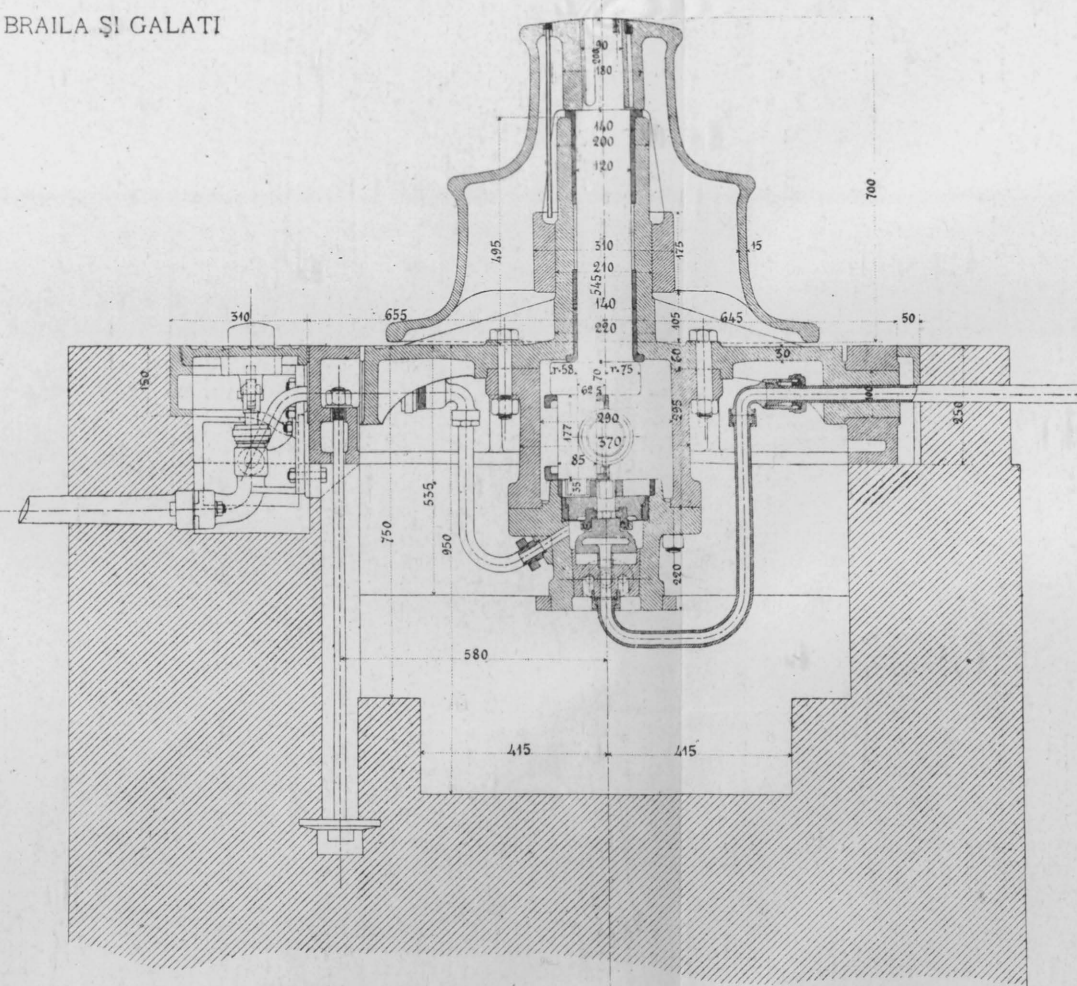
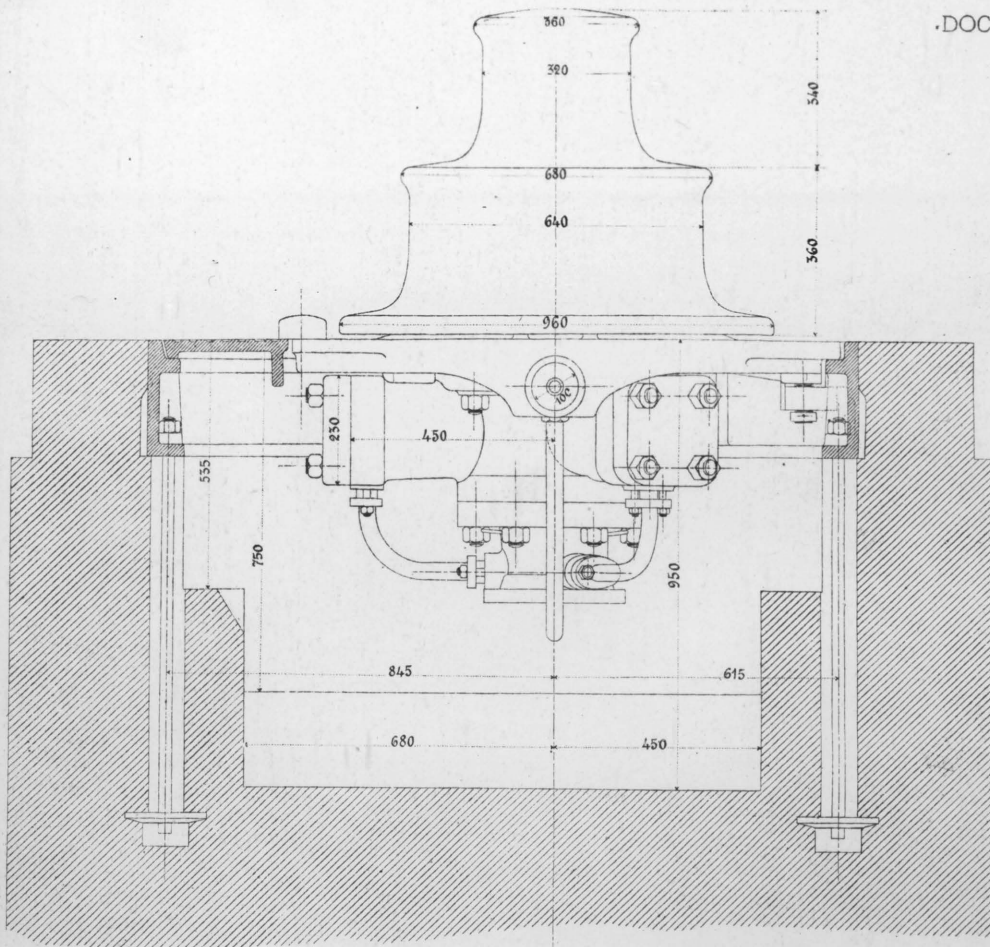
Fig. 3.

CABESTAN HYDRAULIC

(PUTEREA 2 SI 5 TONE)

(HAVRE)





LEGENDA

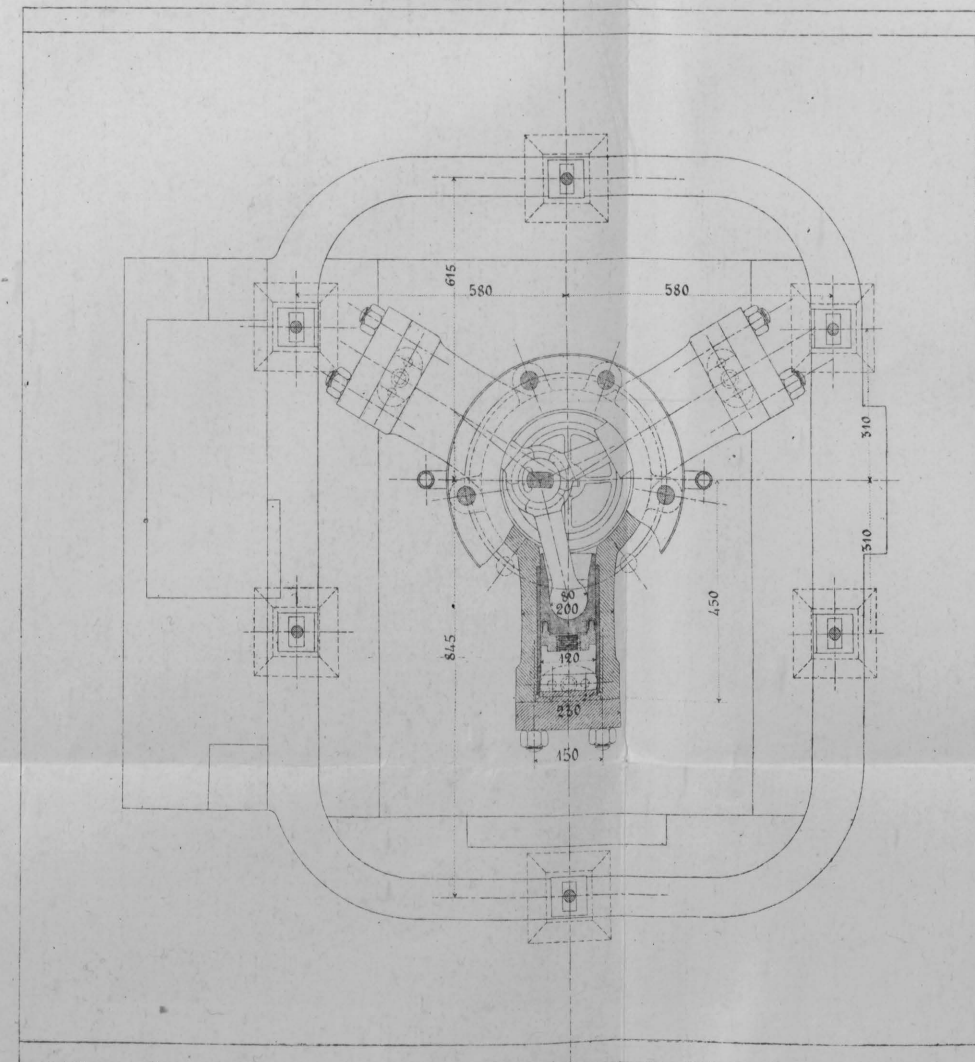
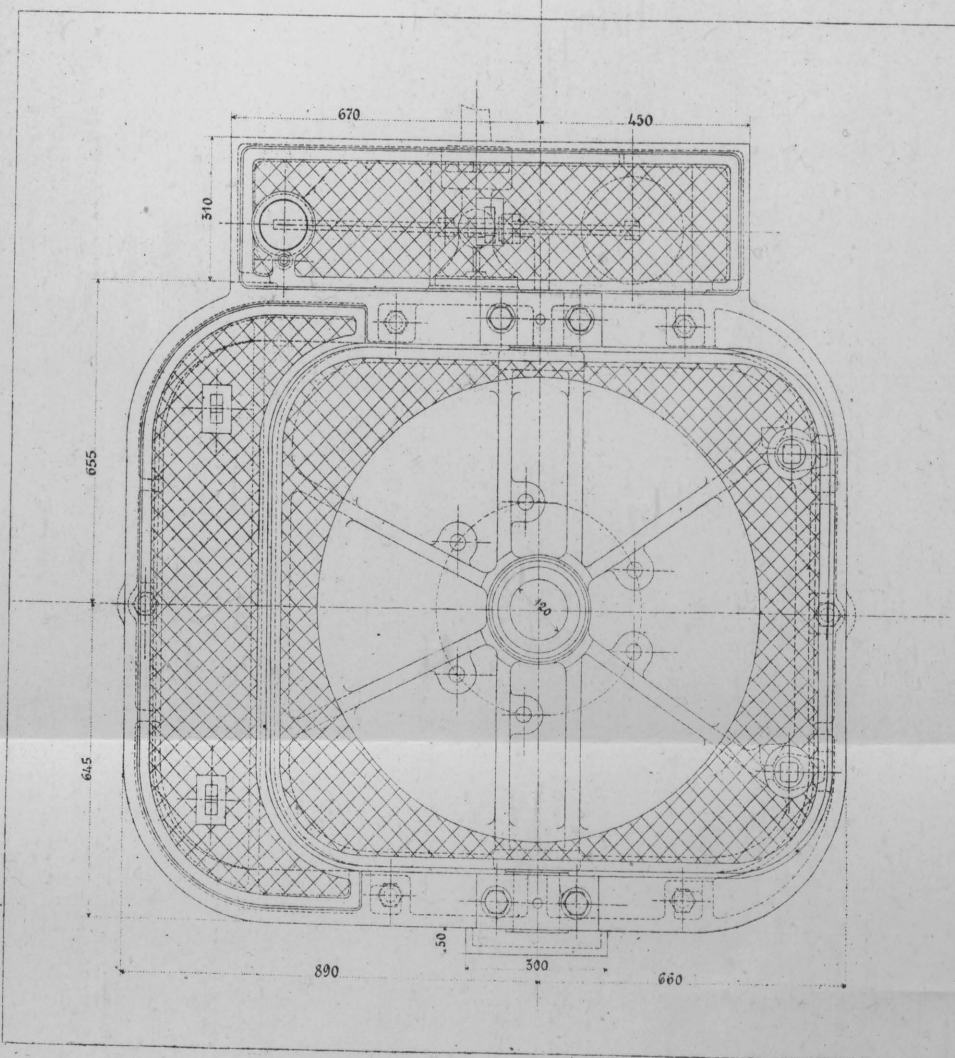
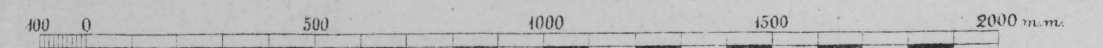
Mașini	Cabestan propriu-zis	Diametrul tamburului superior.....	275 m.m.	
		„ „ mediu la înfășurarea funiei.....	300 m.m.	
		„ „ tamburului inferior.....	575 m.m.	
		„ „ mediu la înfășurarea funiei.....	600 m.m.	
		Nimărul cilindrelor cu simplu efect	3	
			„ de învârtitură pe minut.....	41
		Eforturi asupra funiei cu diametrul cel mic.....	800 Kg	
		„ „ „ „ „ „ mare.....	400 Kg	
		Viteza pe secundă cu diametrul	cel mic.....	0 ^m , 650
			cel mare.....	4 ^m , 300
		Diametrul pistonelor.....	100 m.m.	
		Cursa.....	100 m.m.	
		Cheltuiala de apă sub presiune.....	4 ^ℓ , 68	

FONTA

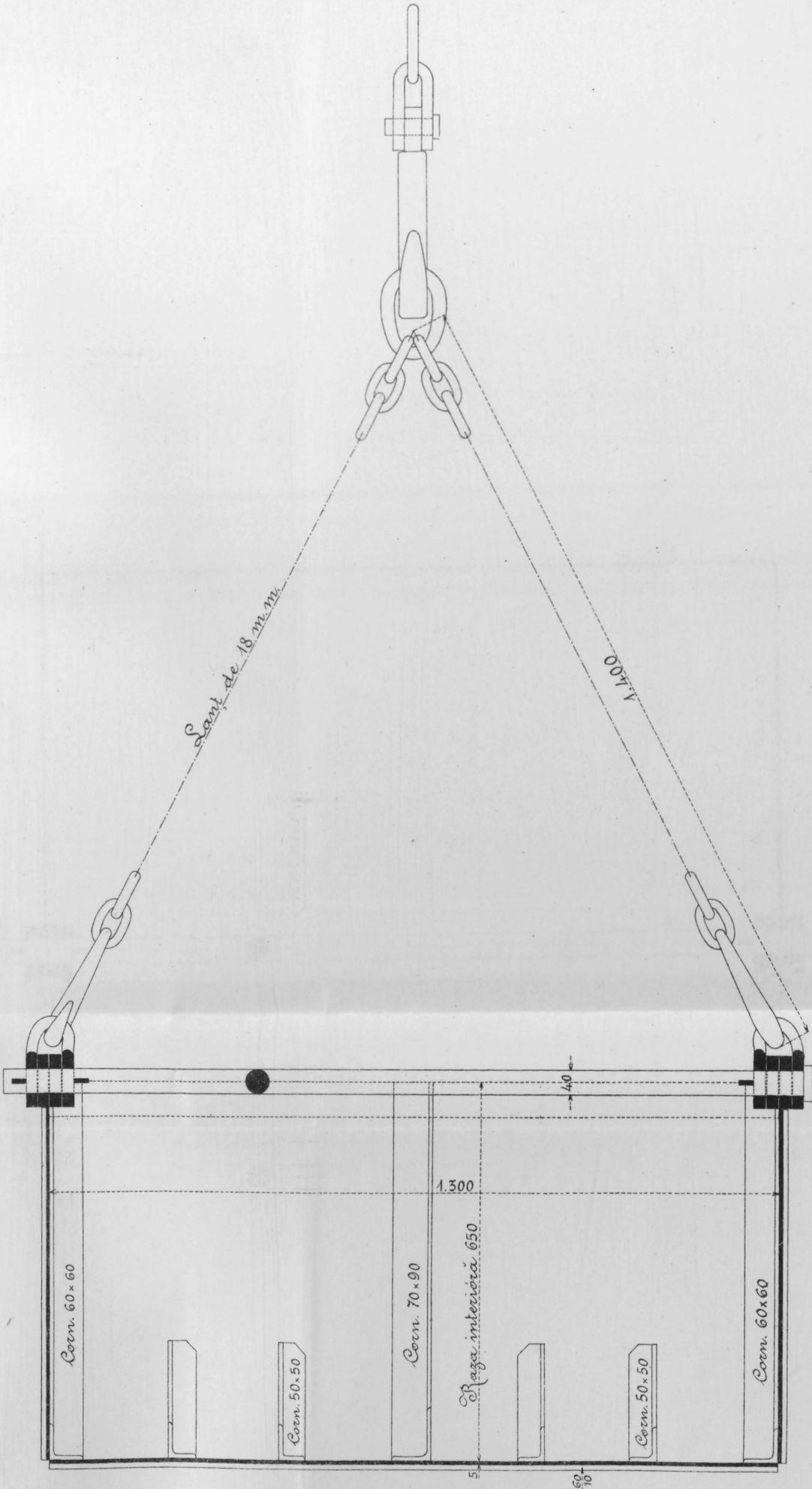
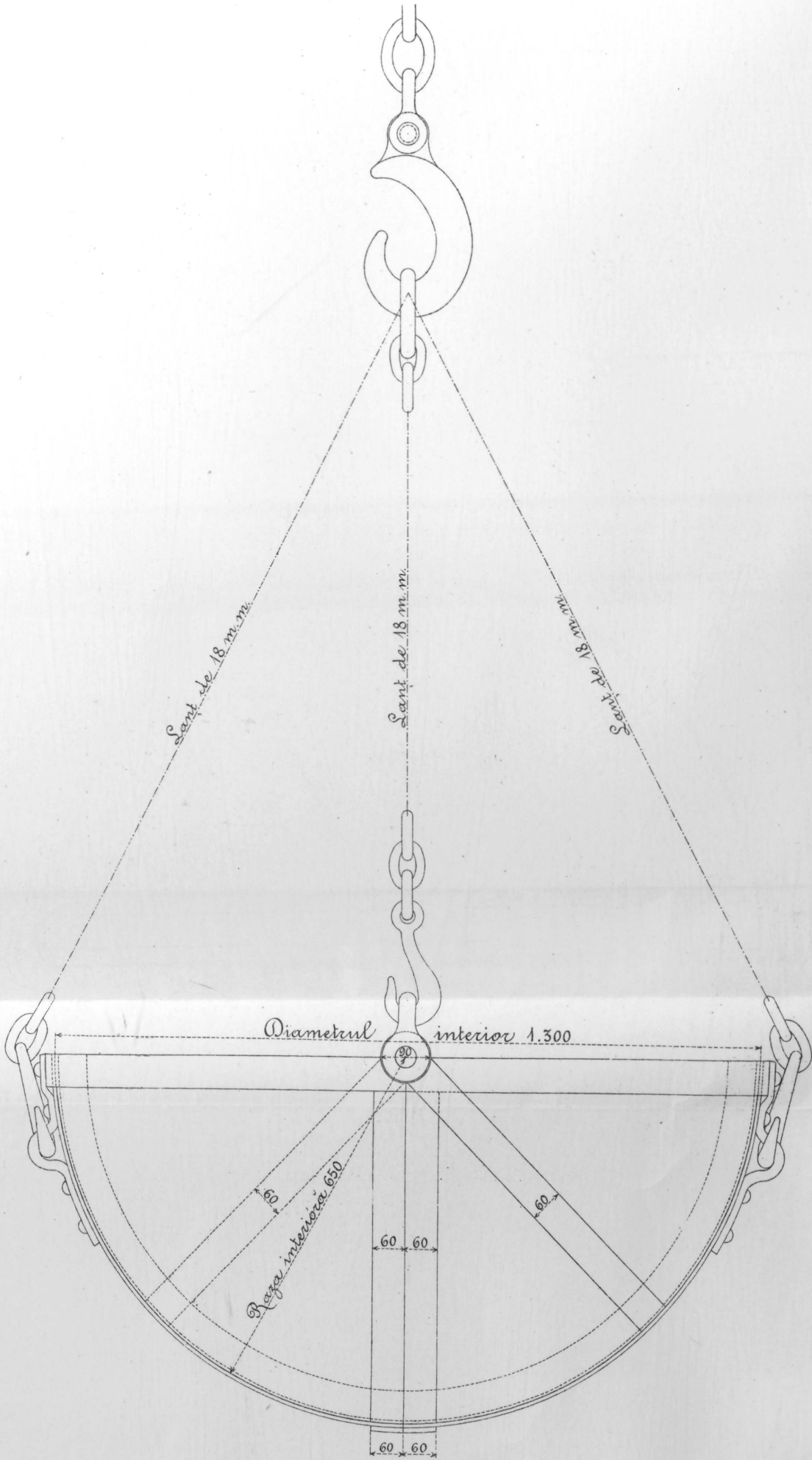
FER

BRONZ

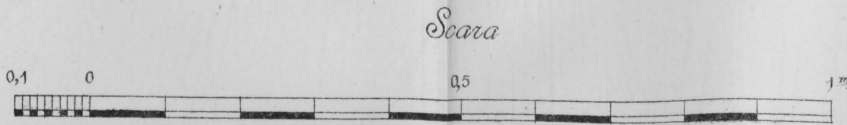
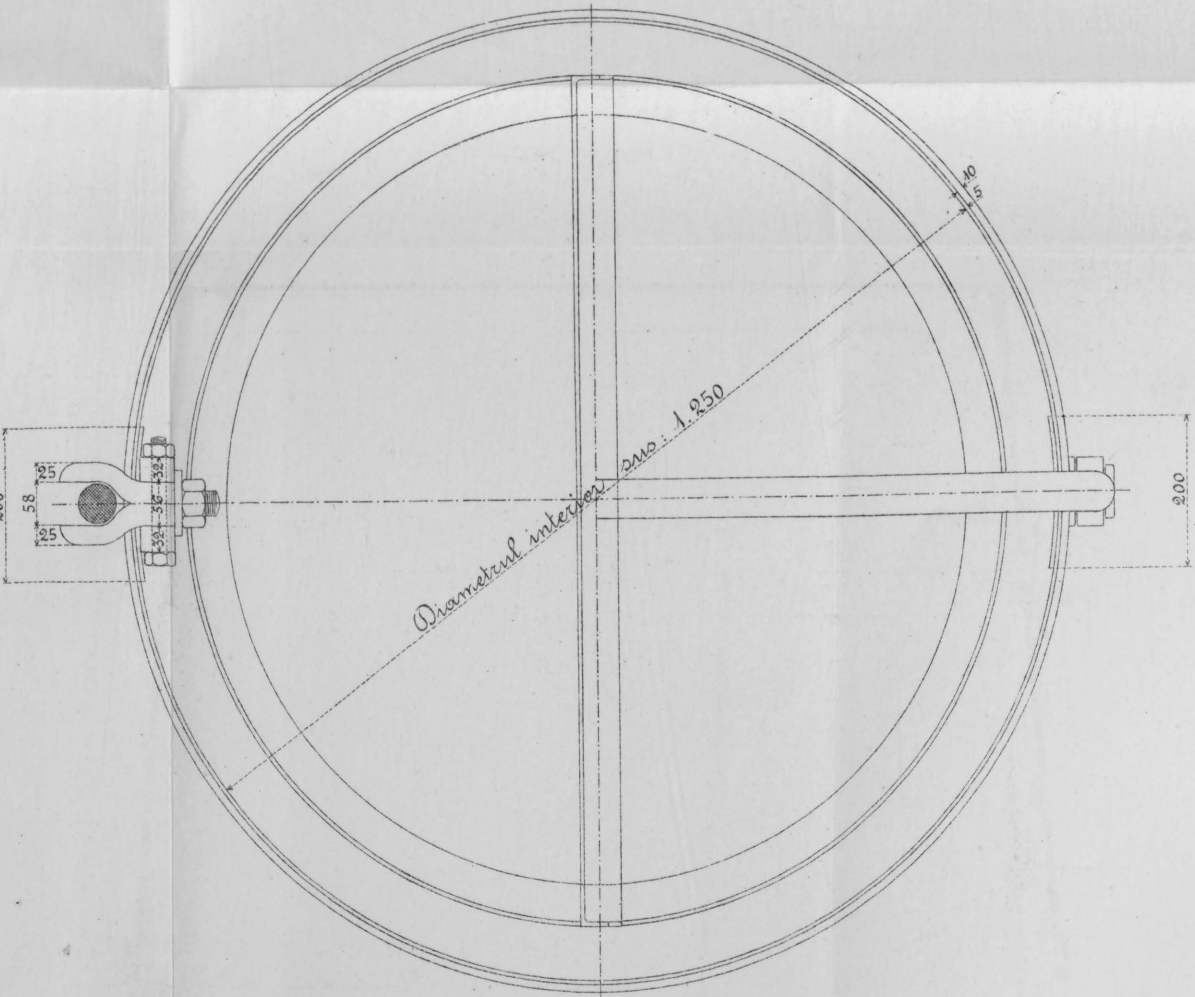
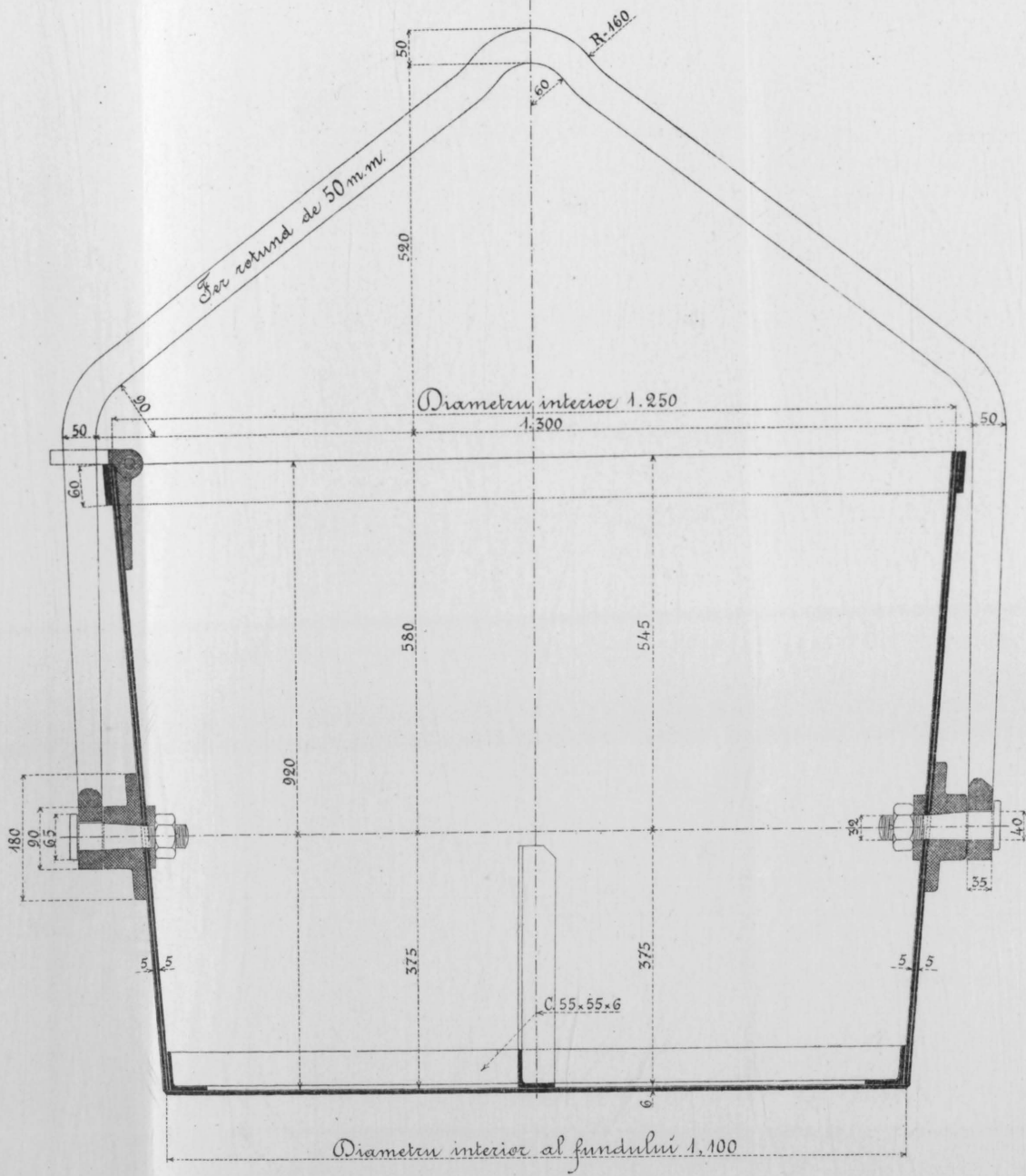
Scara



GALIATA PENTRU MINEREURI



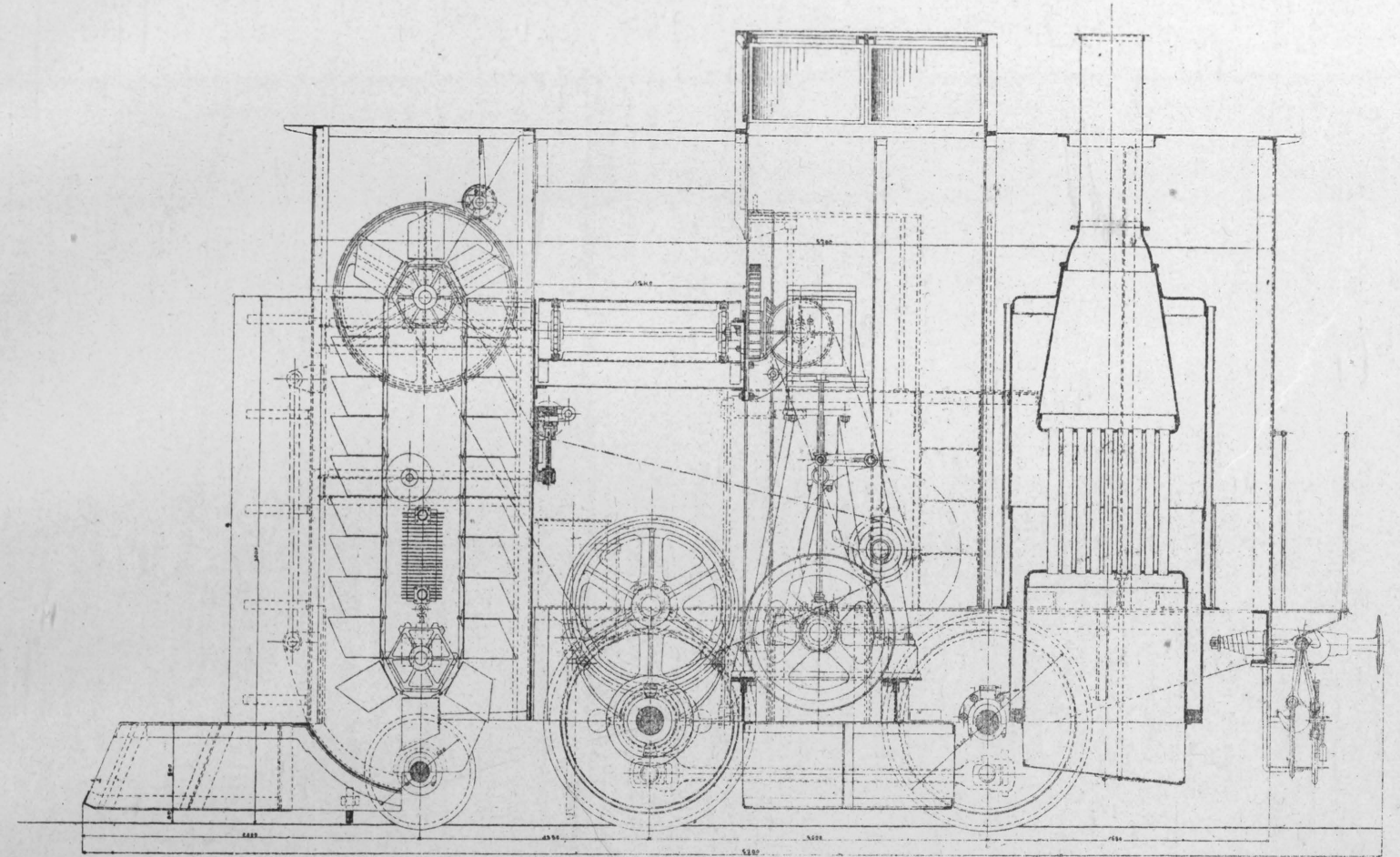
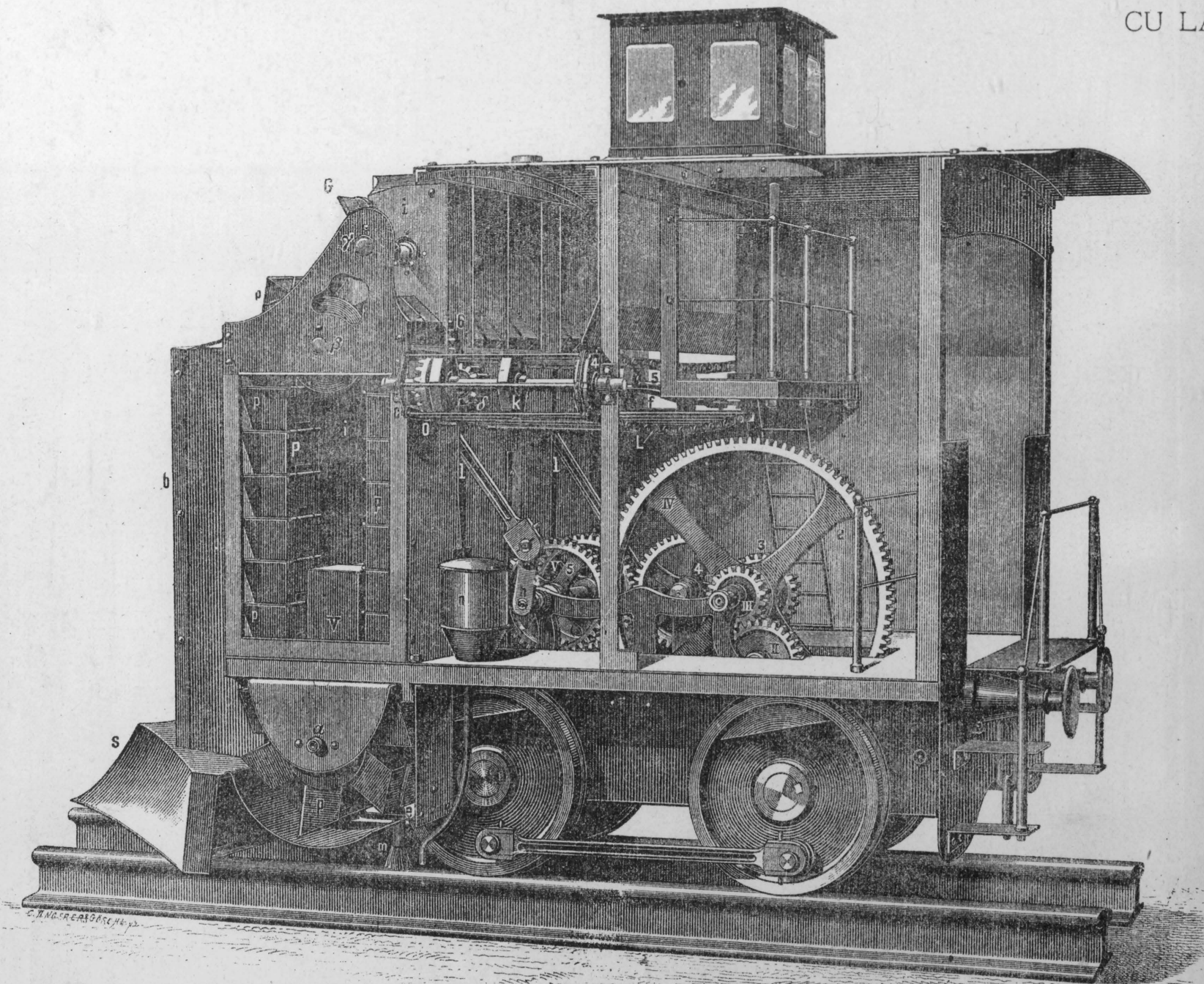
GALIATA PENTRU GRAU



PLUG DE ZAPADA

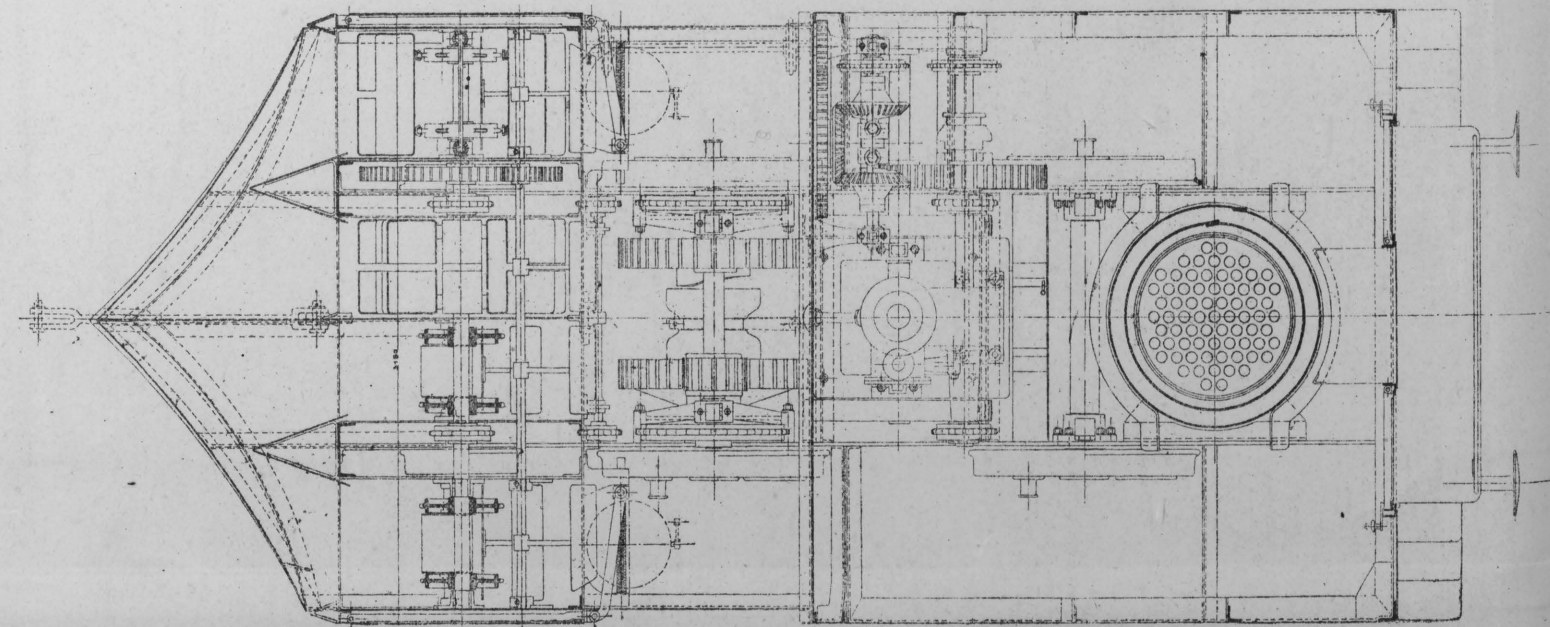
CU LANT CU GODEURI

SECȚIE LONGITUDINALĂ

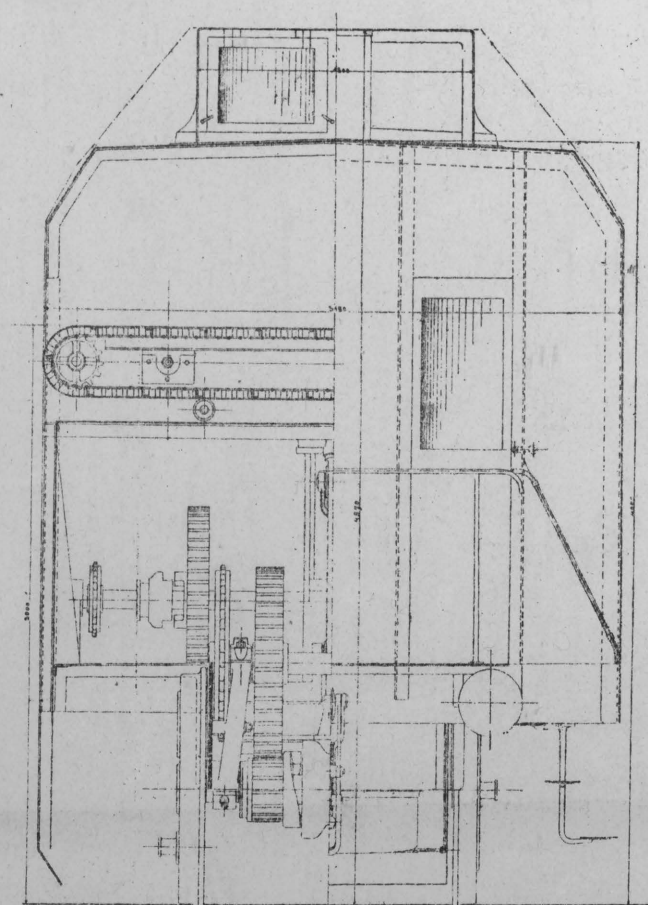


SECȚIE TRANSVERSALĂ

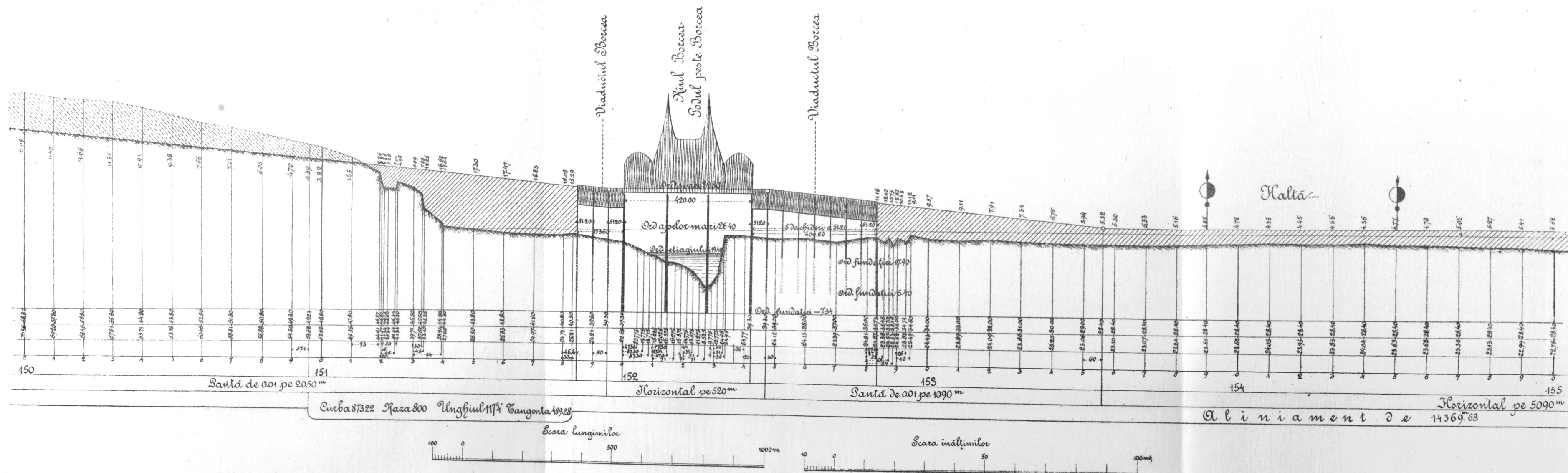
SECȚIE ORIZONTALĂ



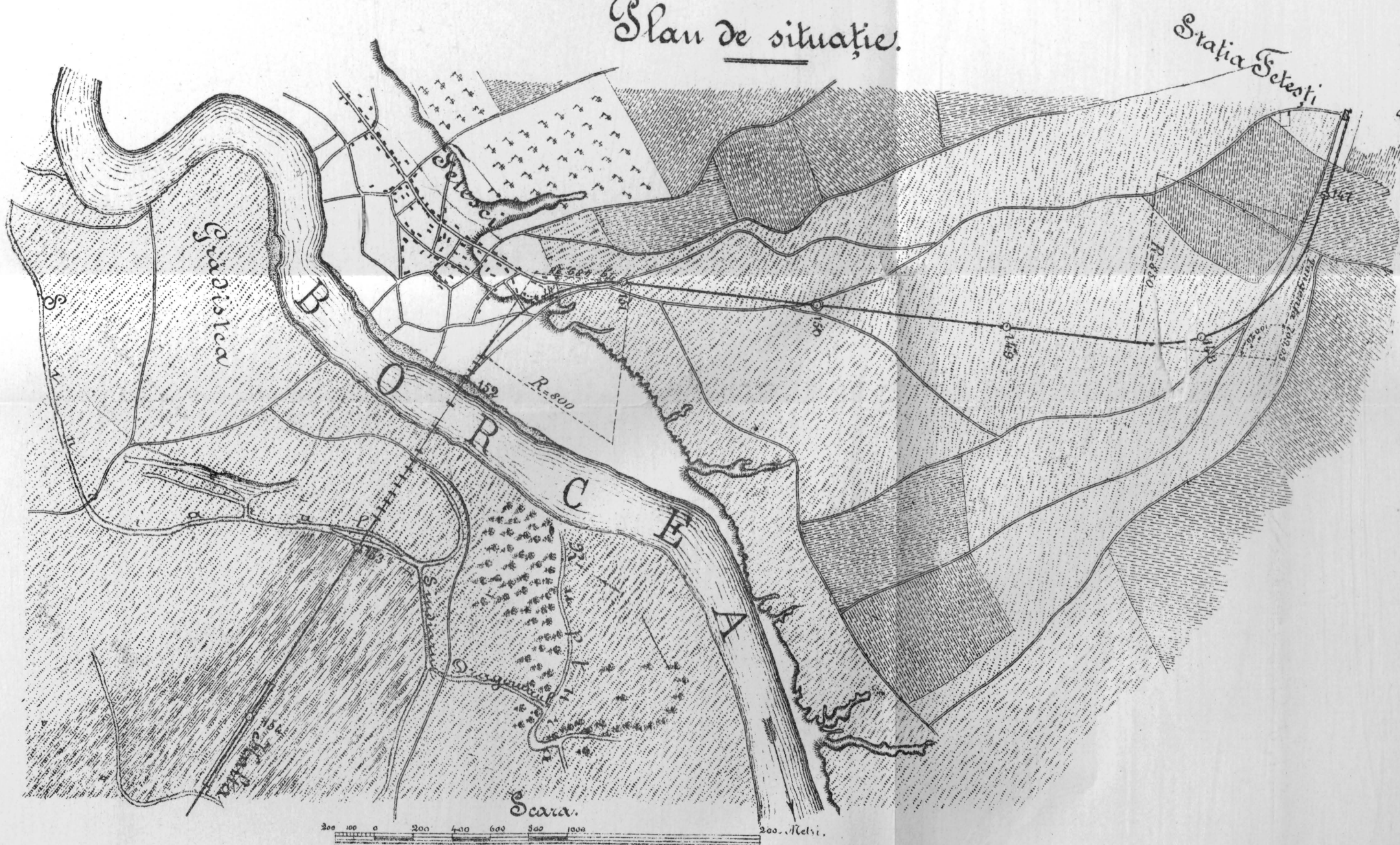
Scara 1:40



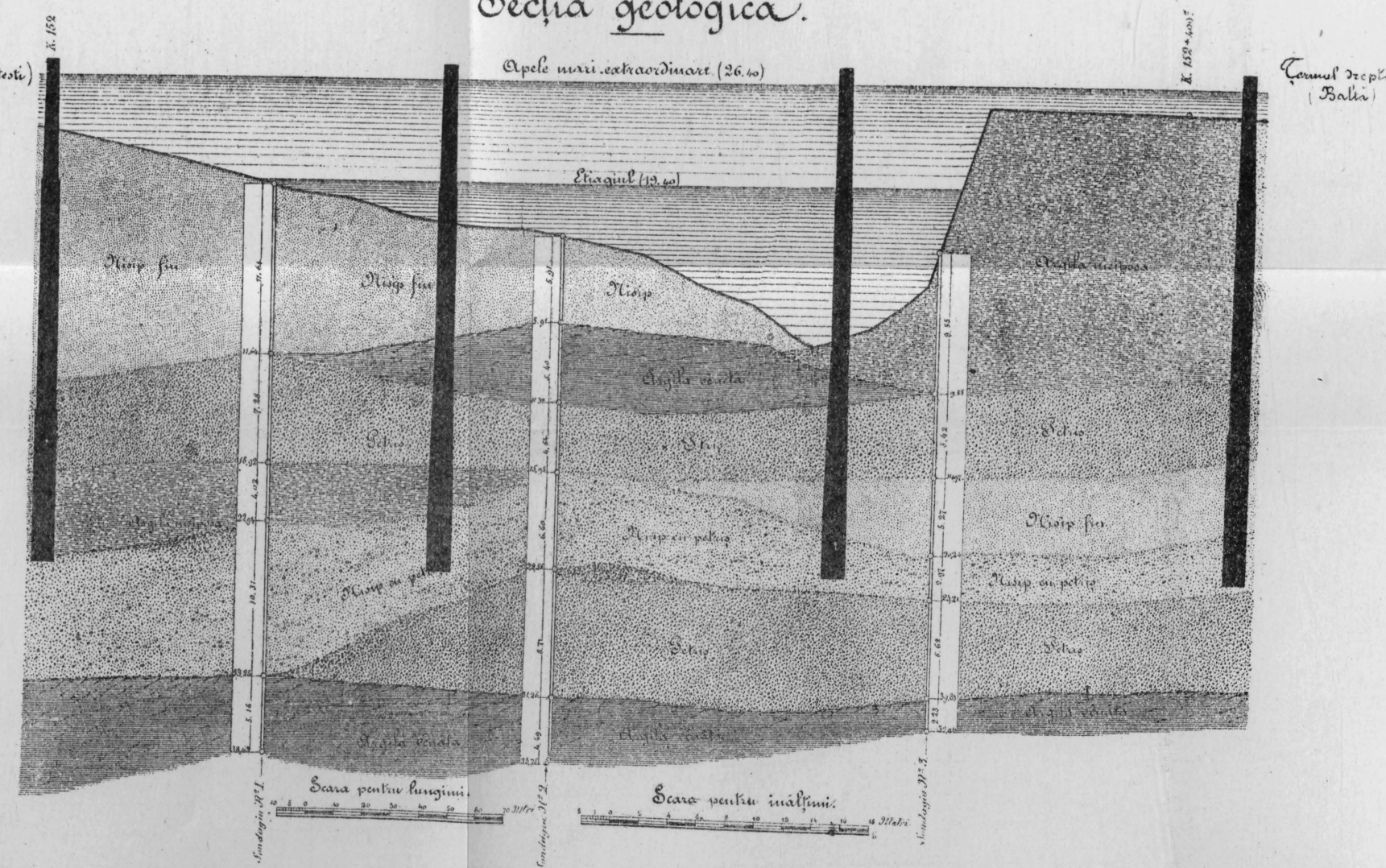
Profil longitudinal



Plan de situație.

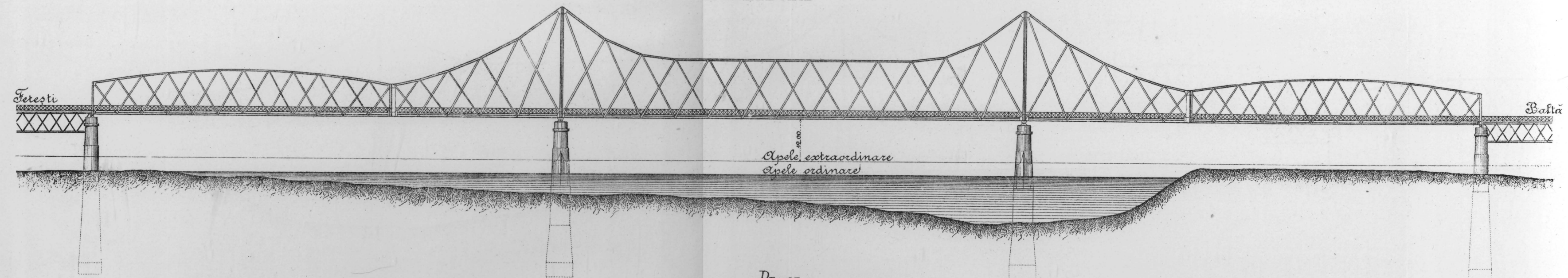


Secția geologică.

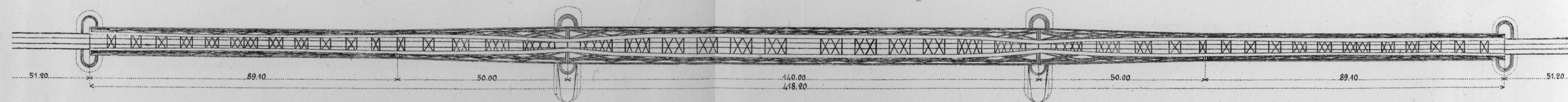


POD PESTE BORCEA LA FETESTI

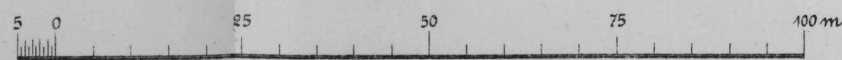
ELEVATIE



PLAN

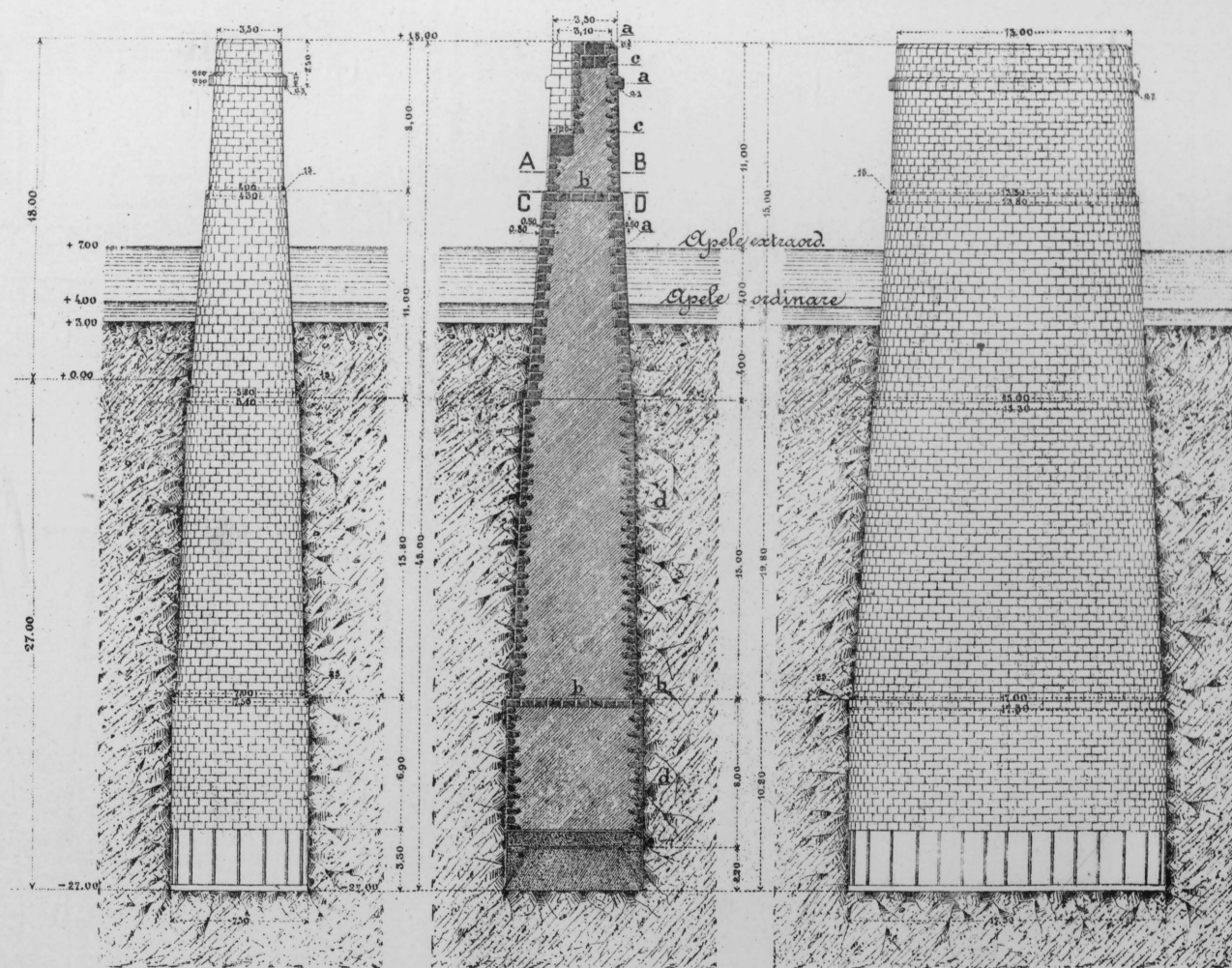


Scara



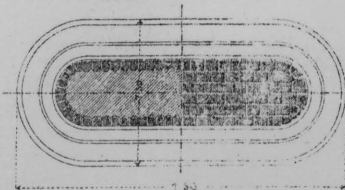
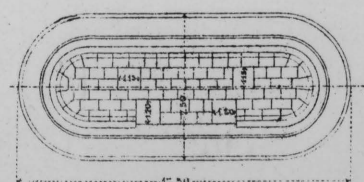
Lilele

Lila - Culec

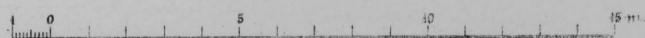


Plan

Secții horizontale
AB CD



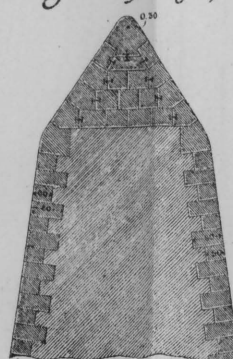
Scara detaliului



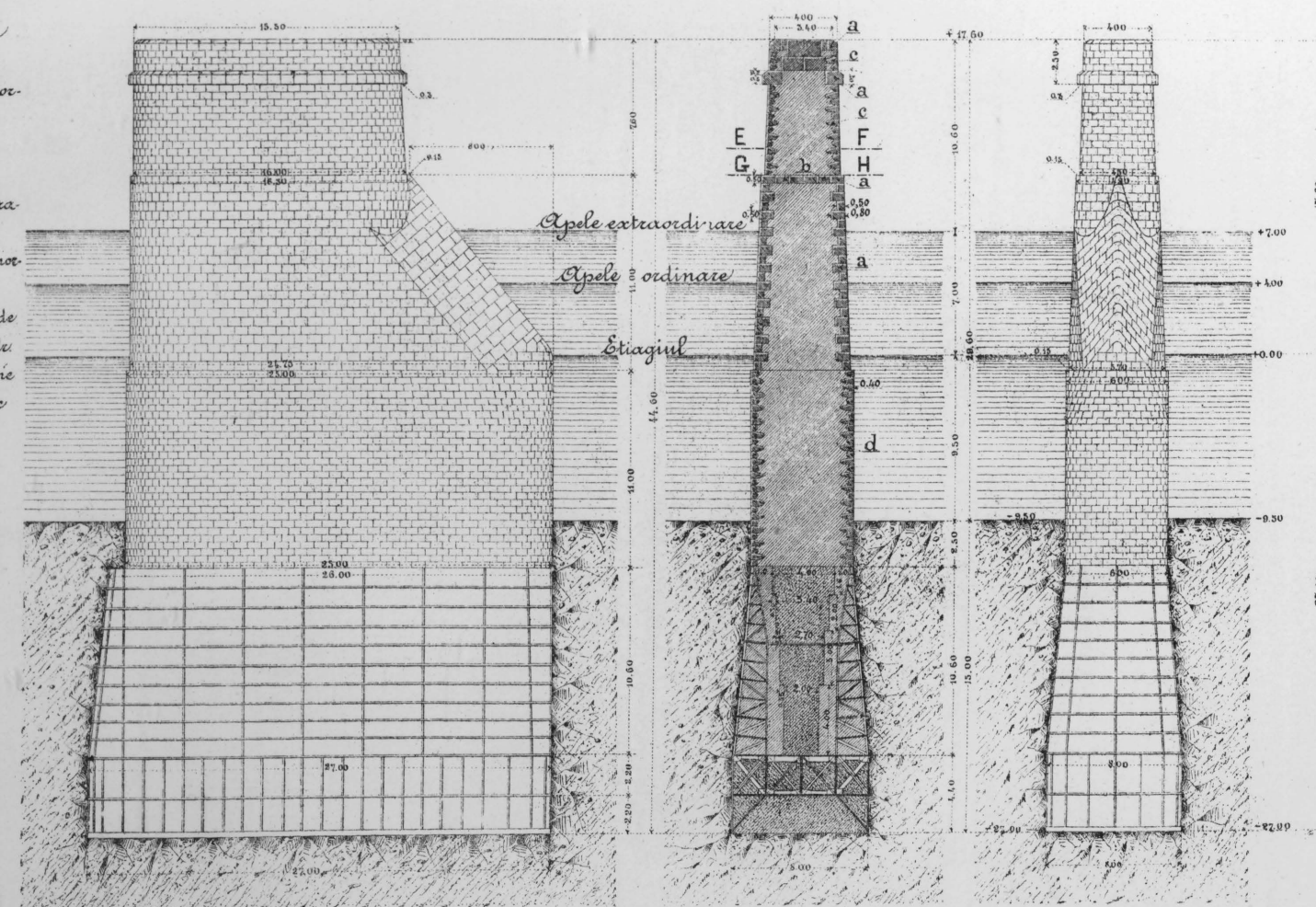
Legendă

- Beton cu mortar de ciment
- Beton cu mortar de var idraulic
- Lădarie de moelone brute cu mortar de ciment
- Lădarie de moelone brute cu mortar de var idraulic
- Cusineți de piatră cioplită
- a Lădarie de piatră cioplită de granit cu mortar de ciment
- b Lădarie de piatră cioplită cu mortar de ciment
- c Lădarie de pacament de moelone de apăratil cu mortar de var idraulic
- d Lădarie de pacament de moelone cu mortar de var idraulic

Secțiune normală
prin sparghet

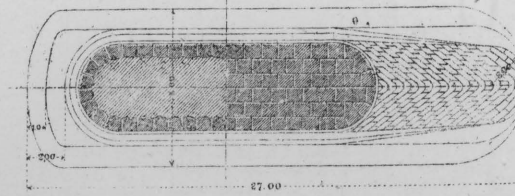
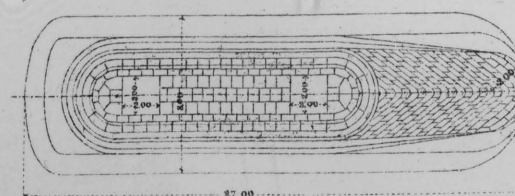


Lila centrală

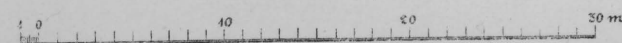


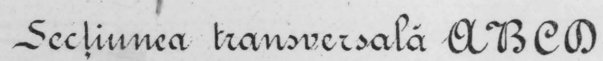
Plan

Secții horizontale
EF GH



Scara

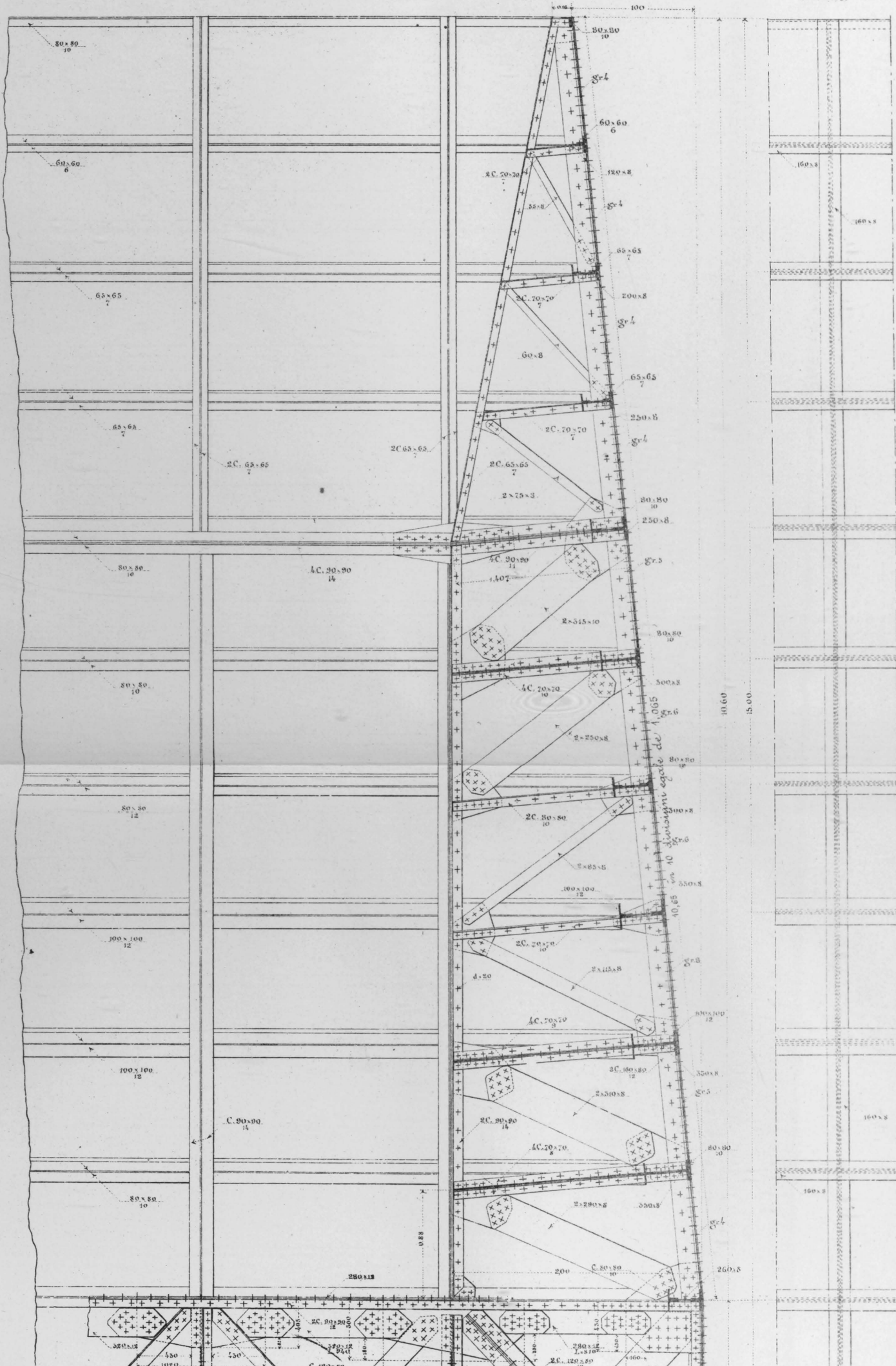


Plan $\frac{1}{50}$ 

Scara 1:20

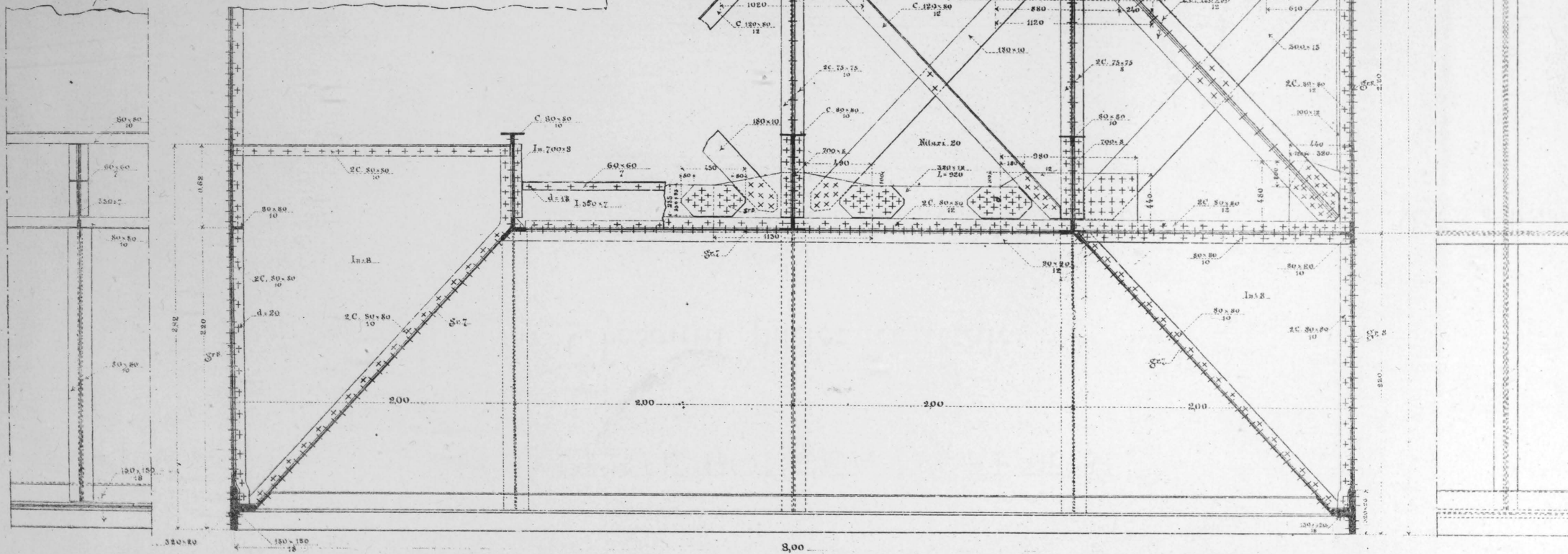
Vedica exterioră

Score: 120

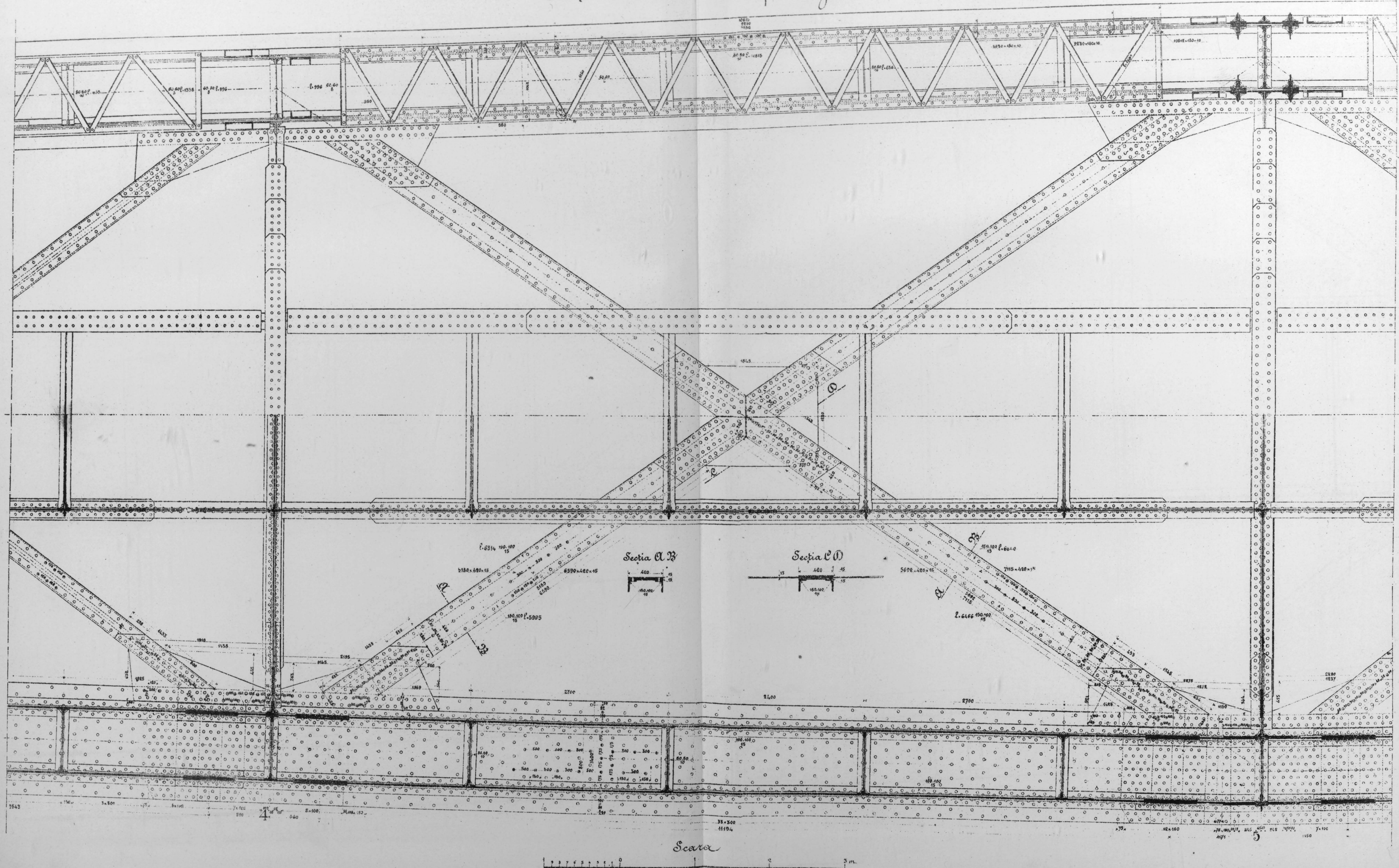


Vederea interioră

Scara $\frac{1}{20}$



Secțiuni orizontale în talpa de jos

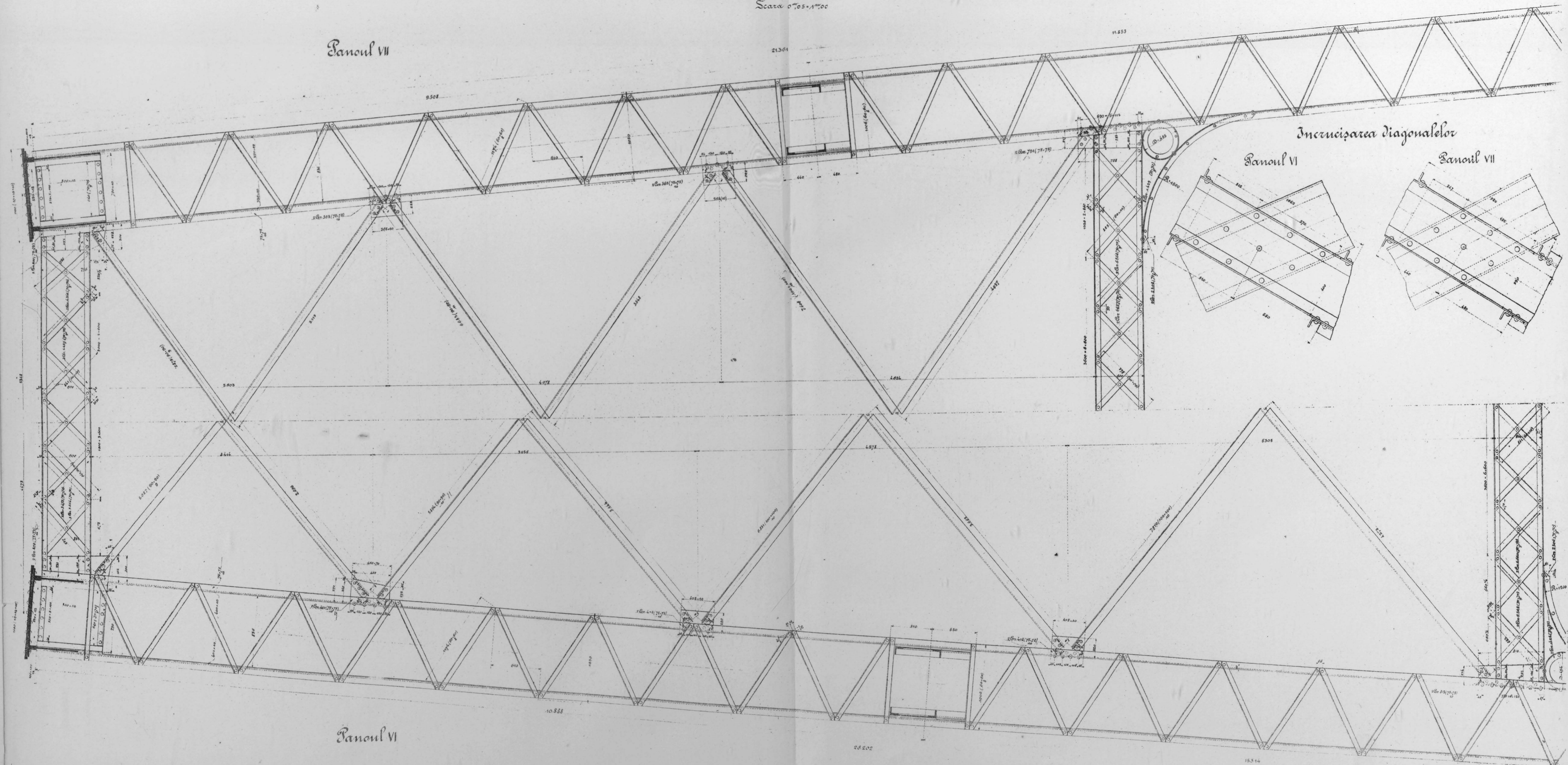


POD PESTE BORCEA LA FETESTI

Contravinturi transversale

Scara 0^m05=1^m00

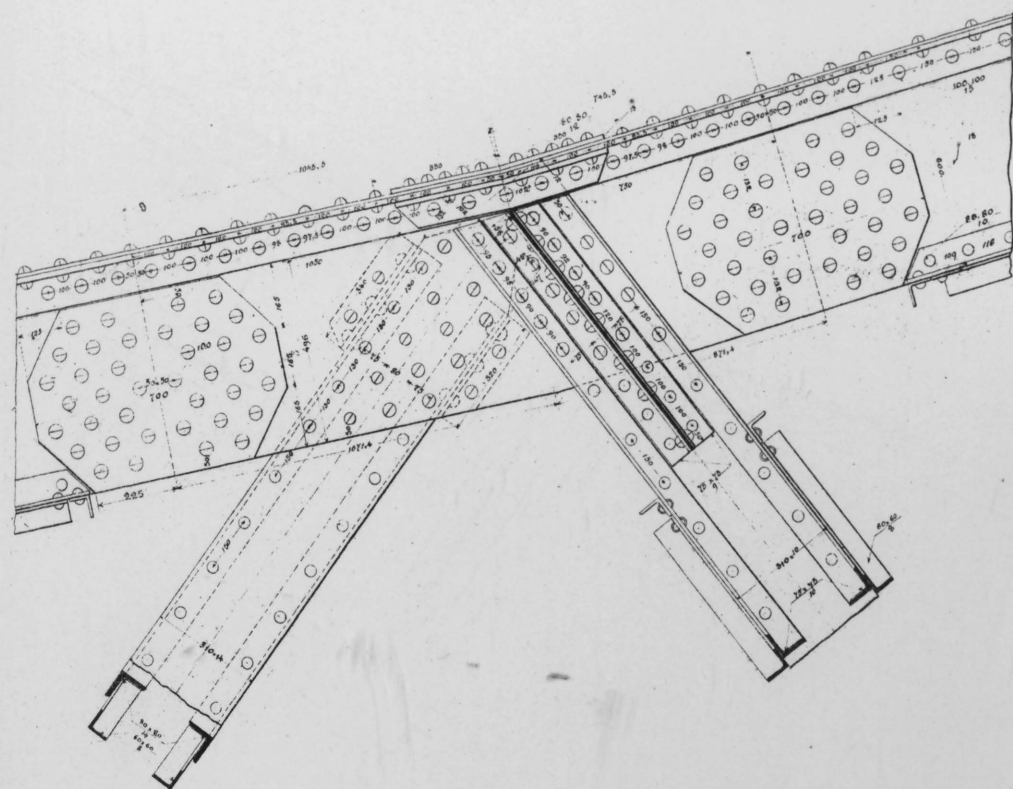
Titluri de 20^m =
Polea: Ponton la altitudinea de 18^m 50



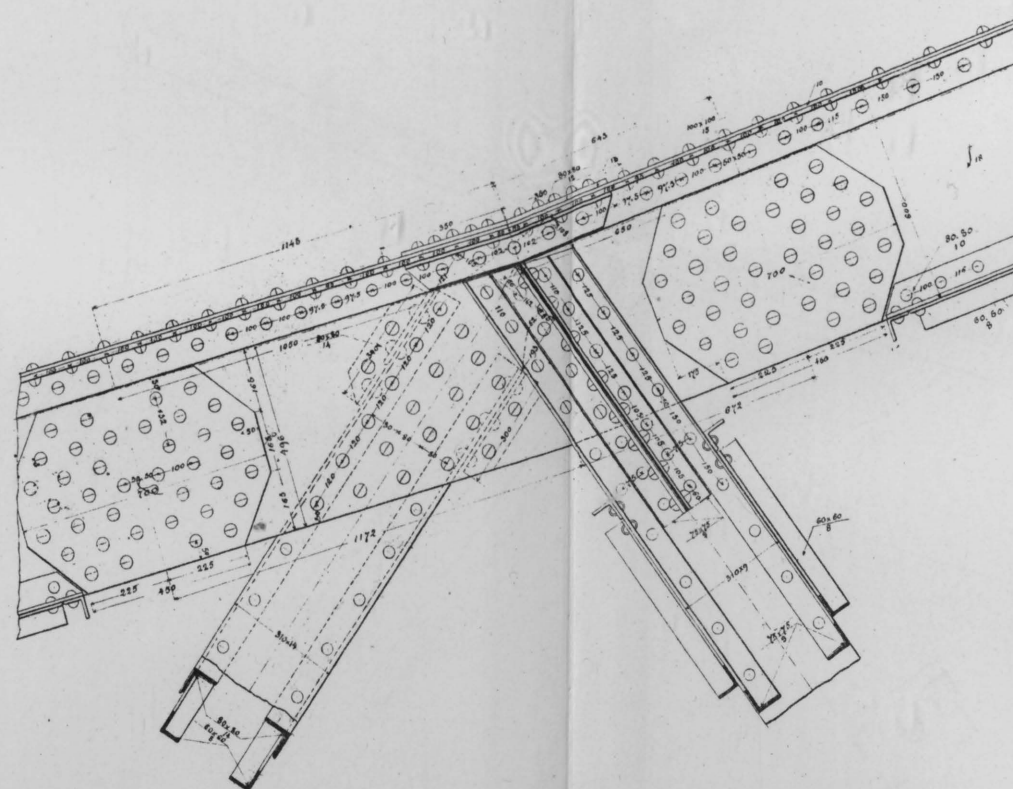
POD PESTE BORCEA LA FETESTI

Detalii de îmbinări

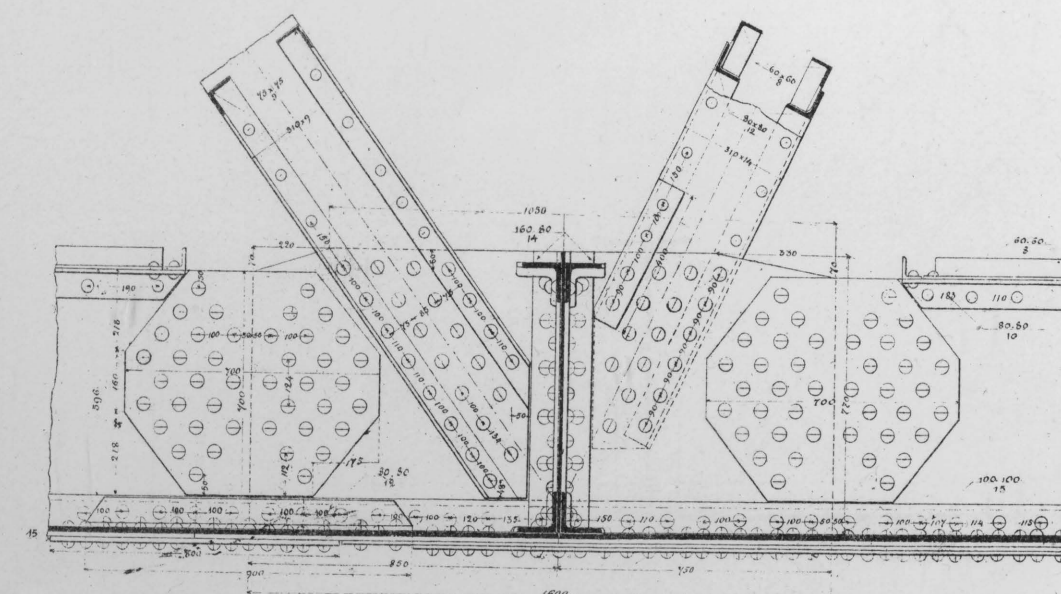
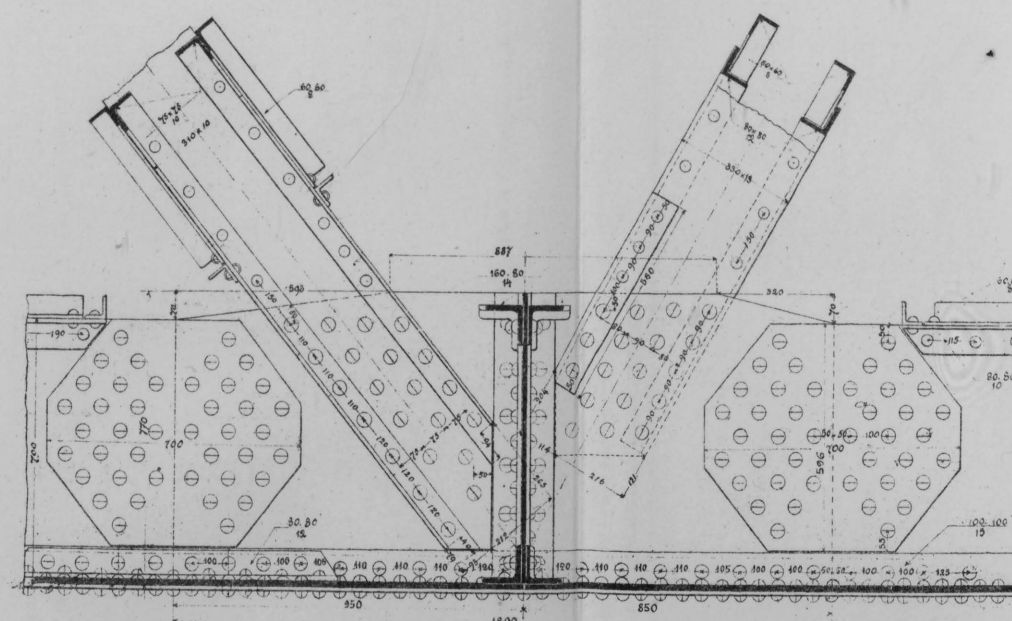
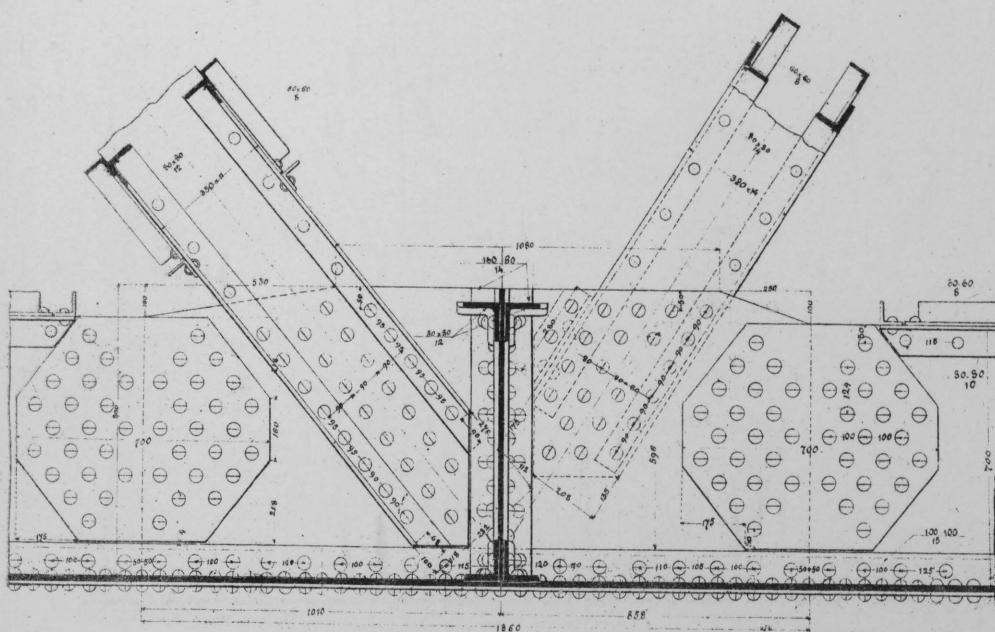
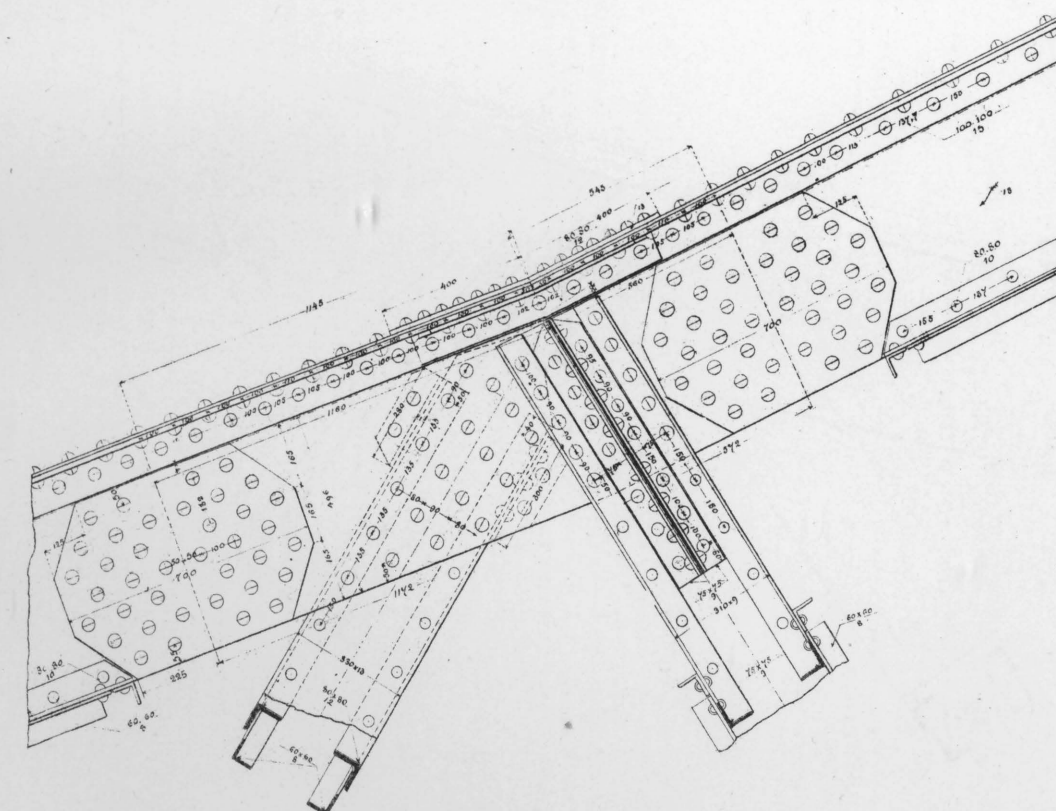
Nodul 1



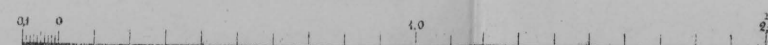
Nodul 2



Modul 3



Scara



<https://biblioteca-digitala.ro>

Legendă

⊖ Nituri de 25 m.m.

○ " " 20 mm.

① " " 18 m. m.

POD PESTE BORCEA LA FETESTI

Detalii de îmbinări

Nodul 5

Secția

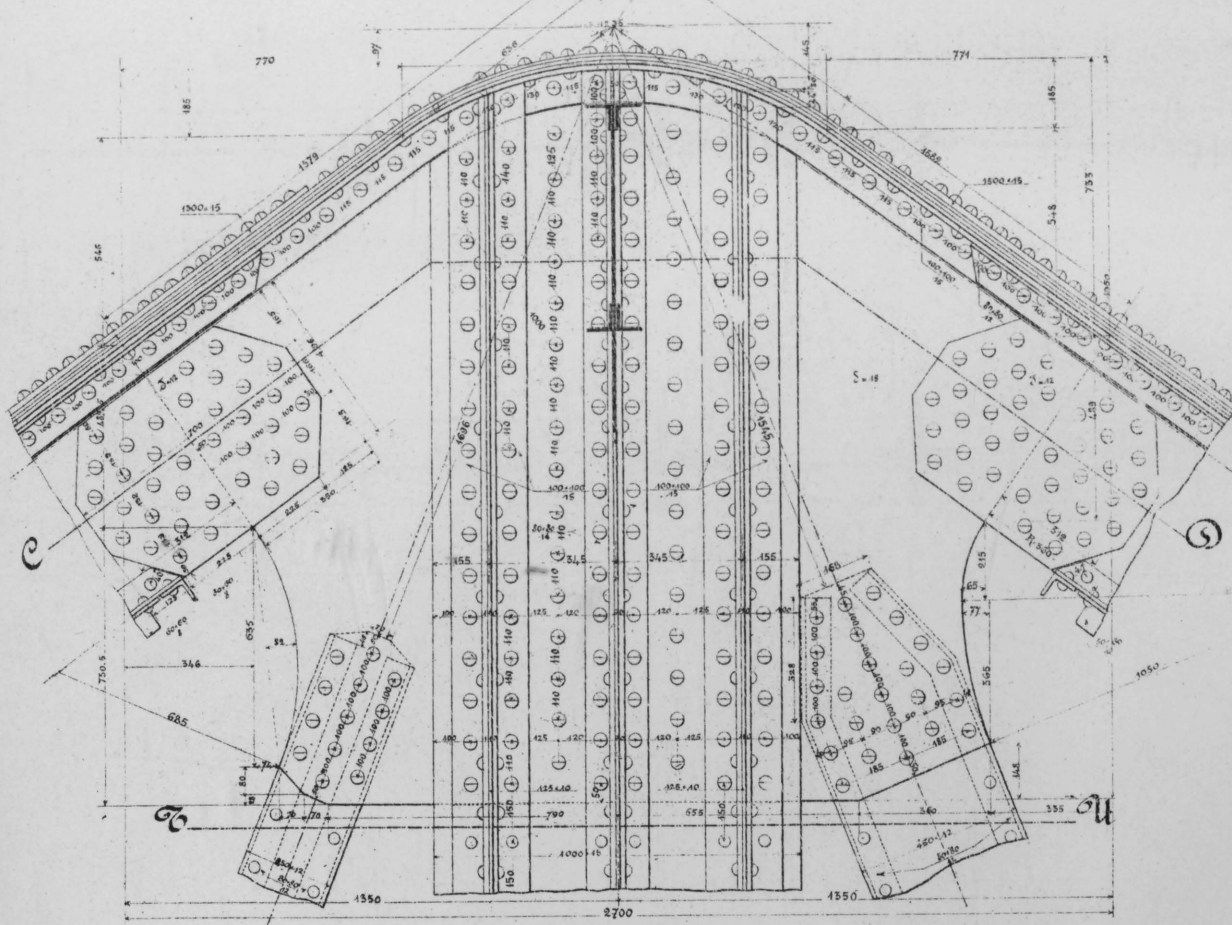
Legendă

○ Nituri de 25 mm.

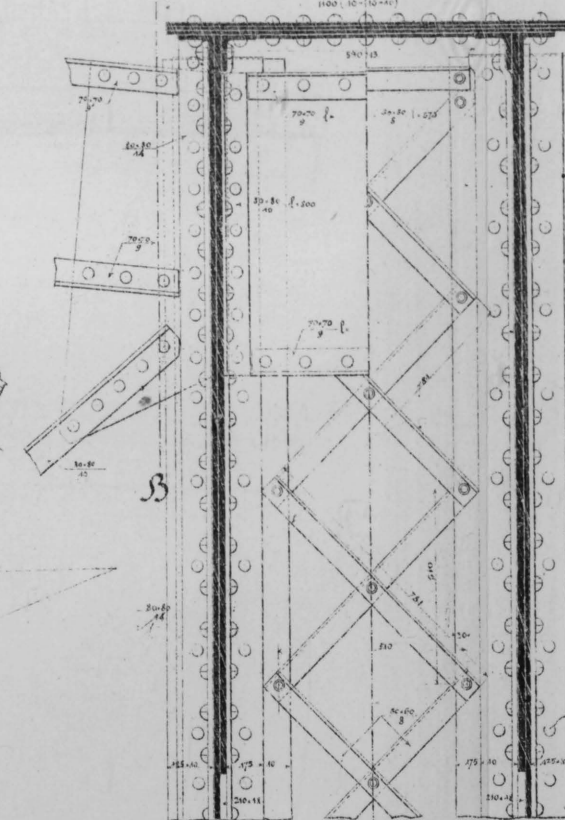
○ „ „ 20 m.m.

○ „ „ 18 m.m.

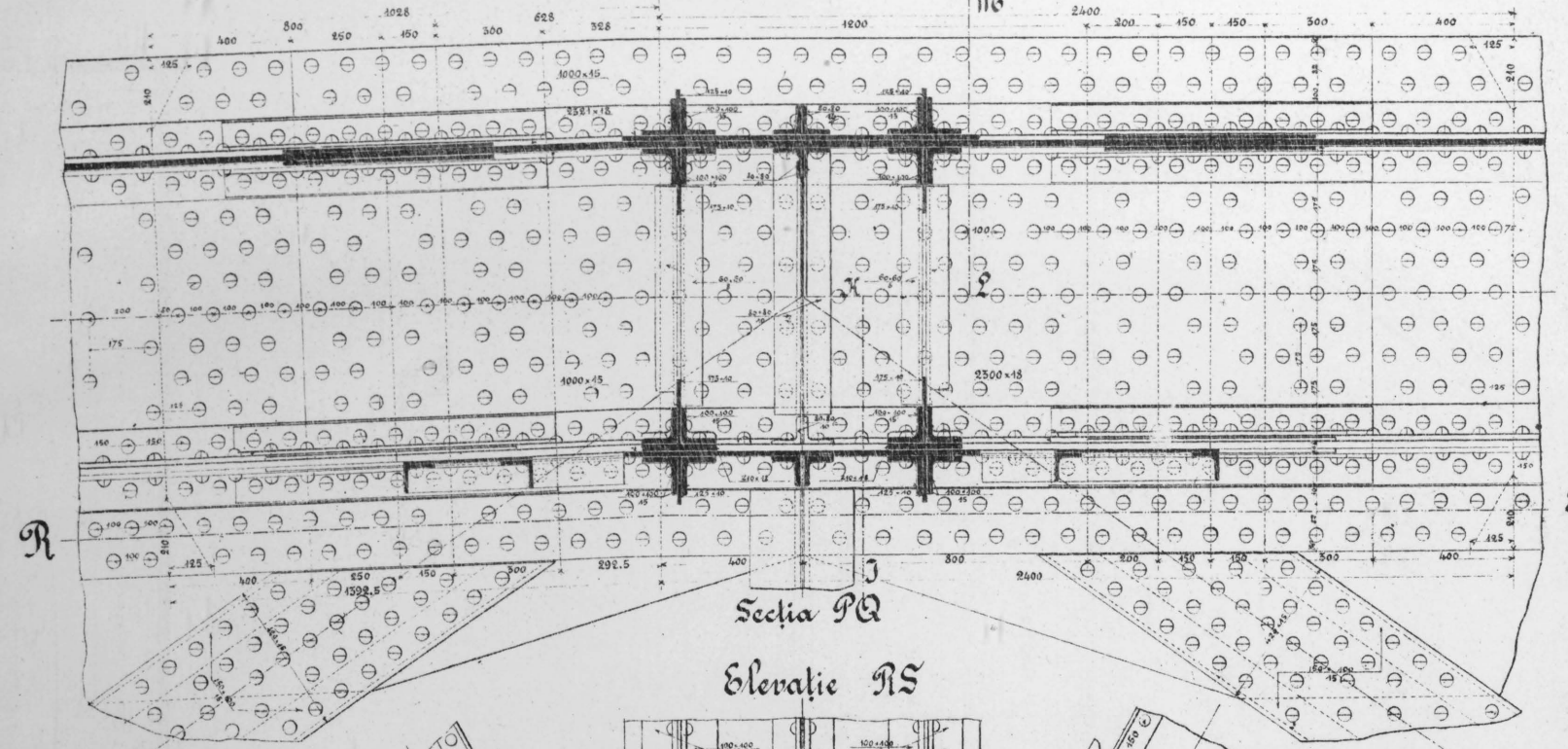
Elevație AB



a EF GH

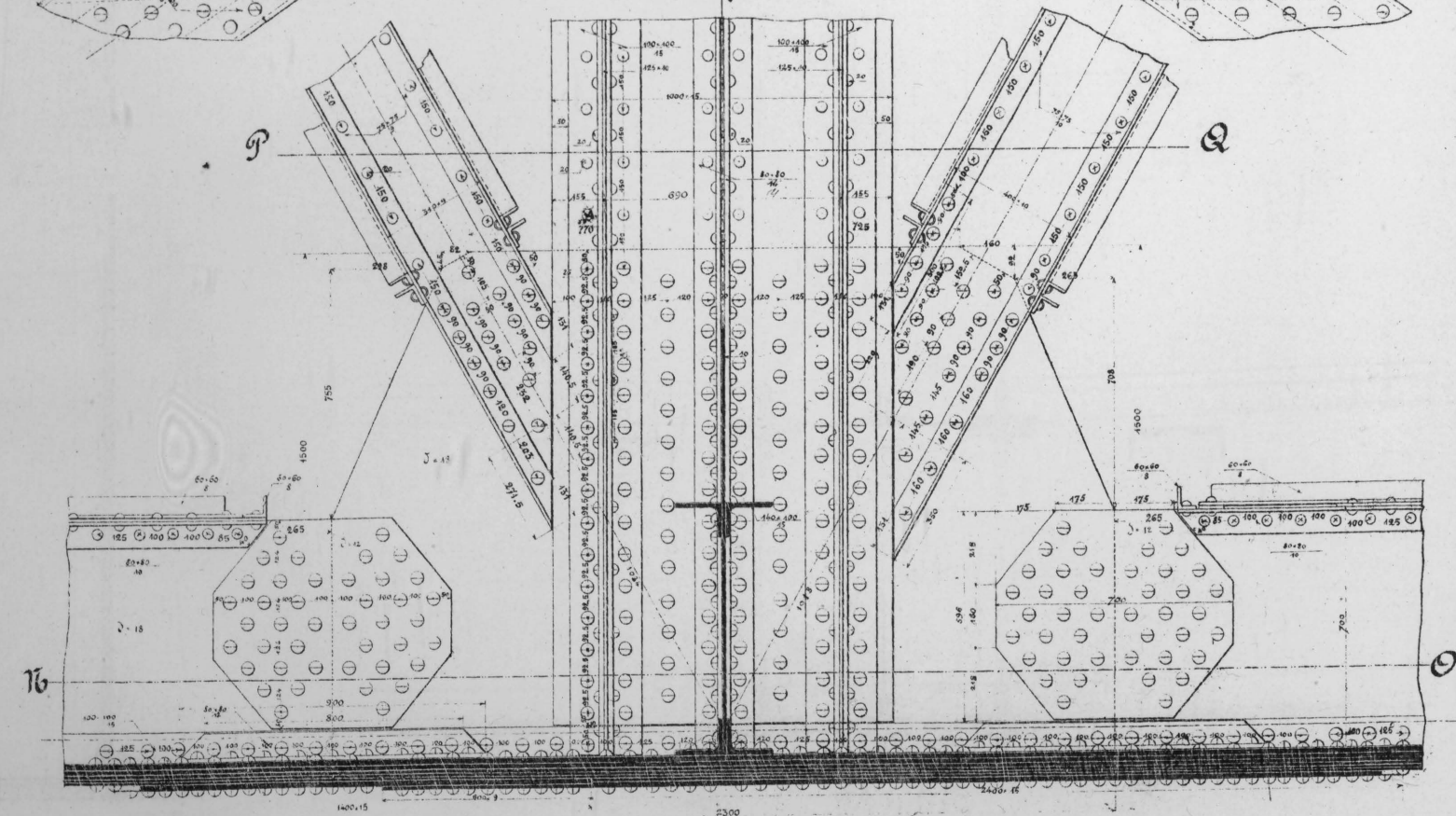


Secția NO

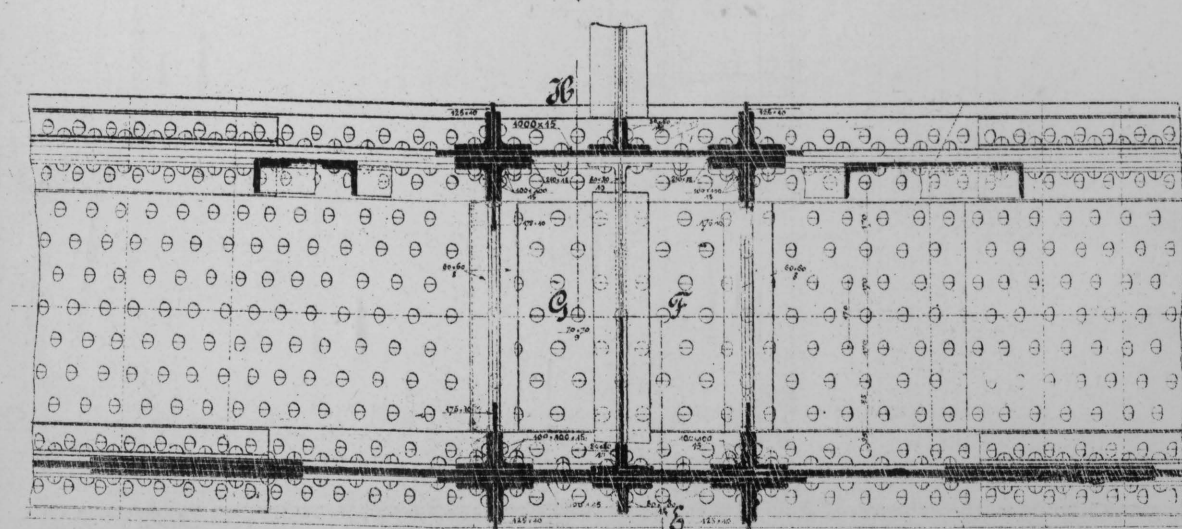


Secția PQ

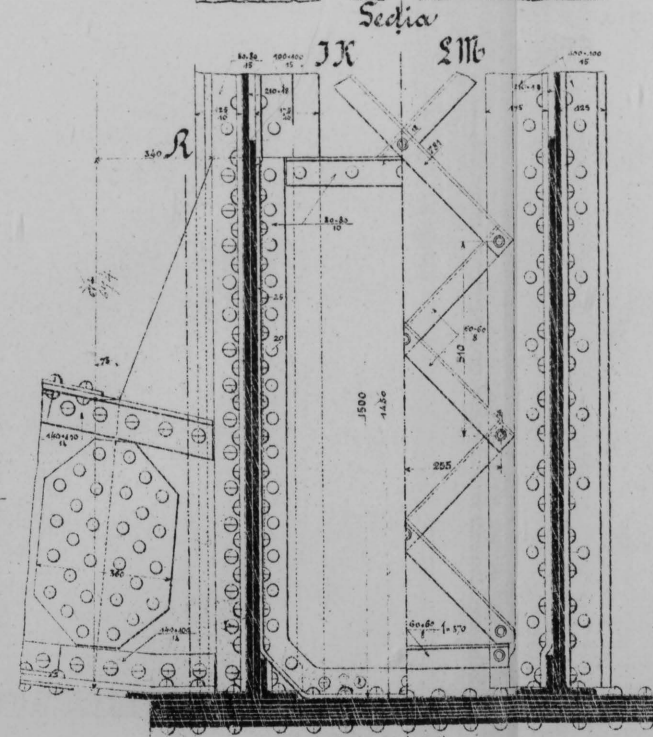
Elevație RS



Secția TU



Secția VO

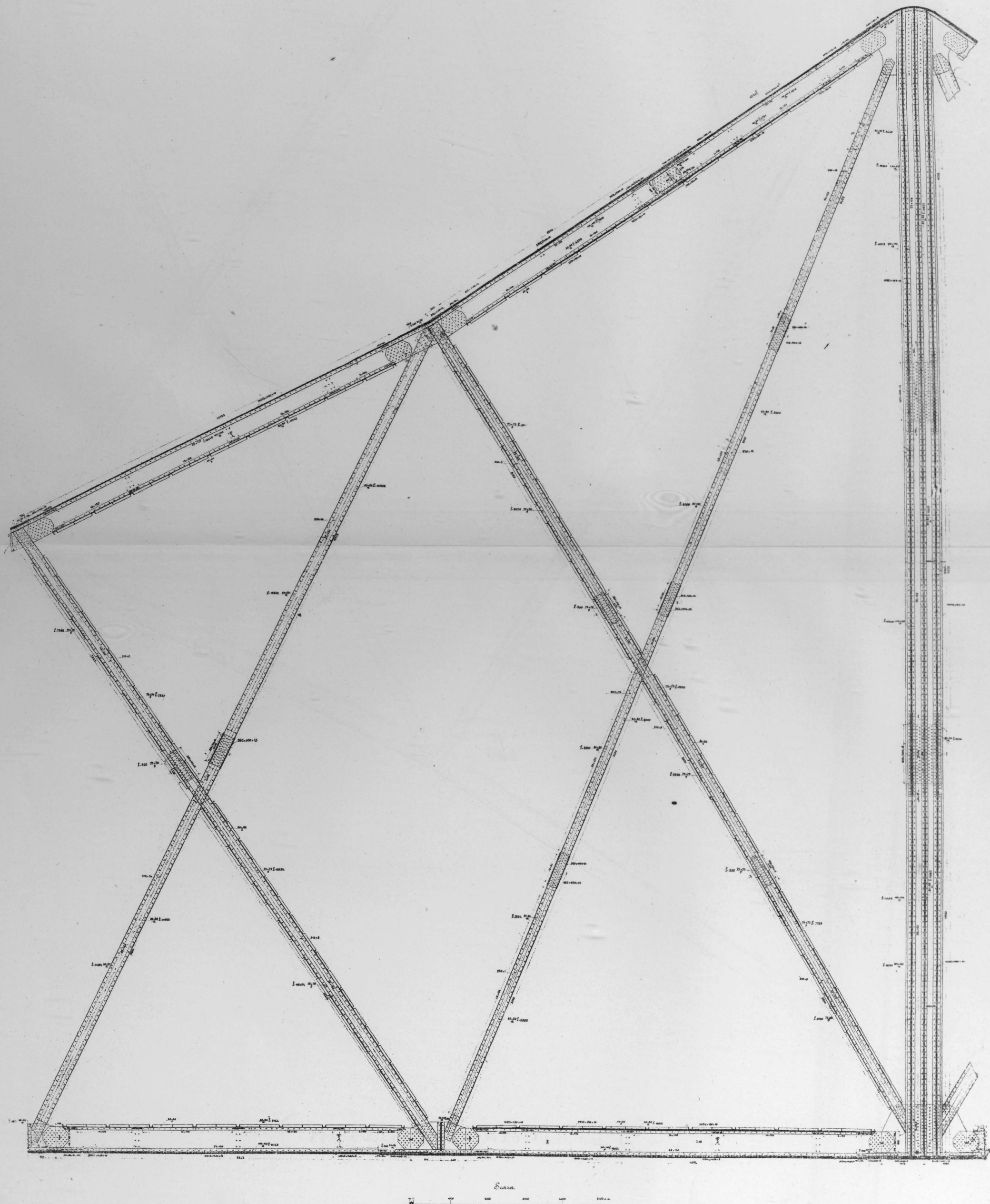


Scara



POD PESTE BORCEA LA FETESTI

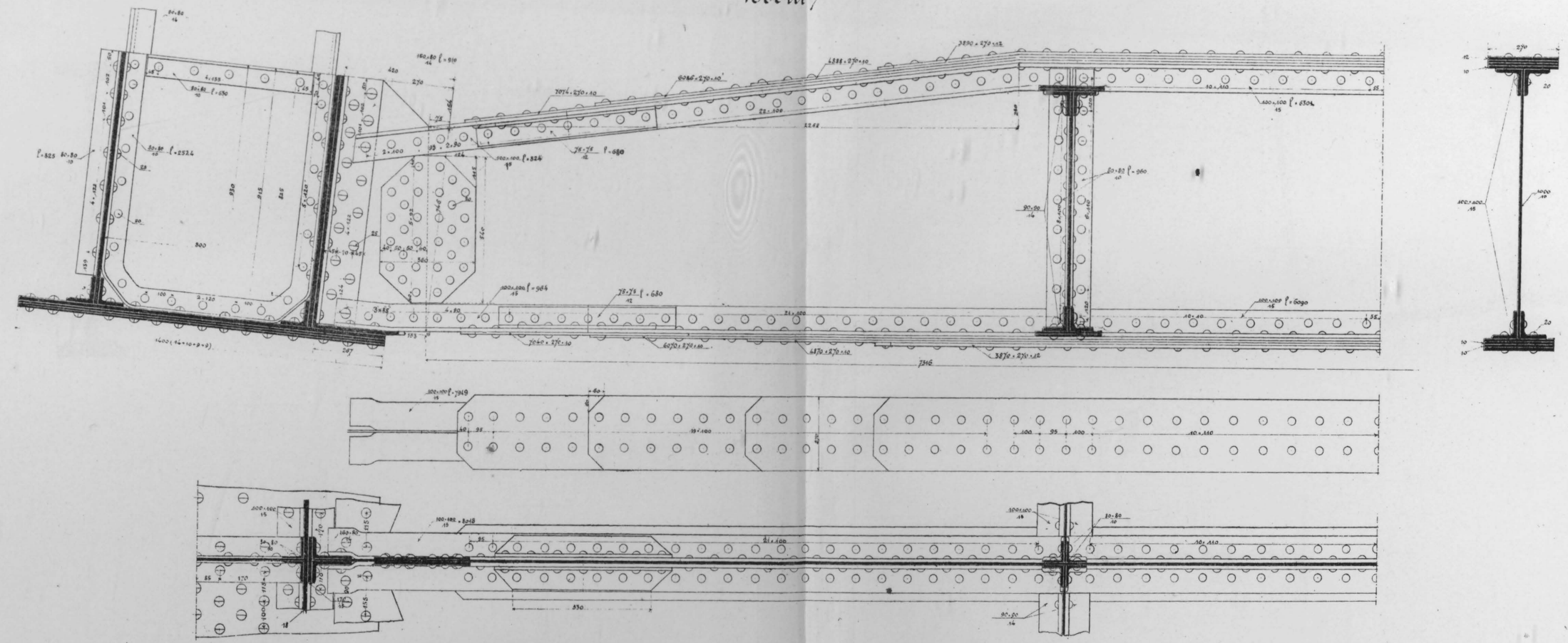
(Elevația paronvilor IV și V.)



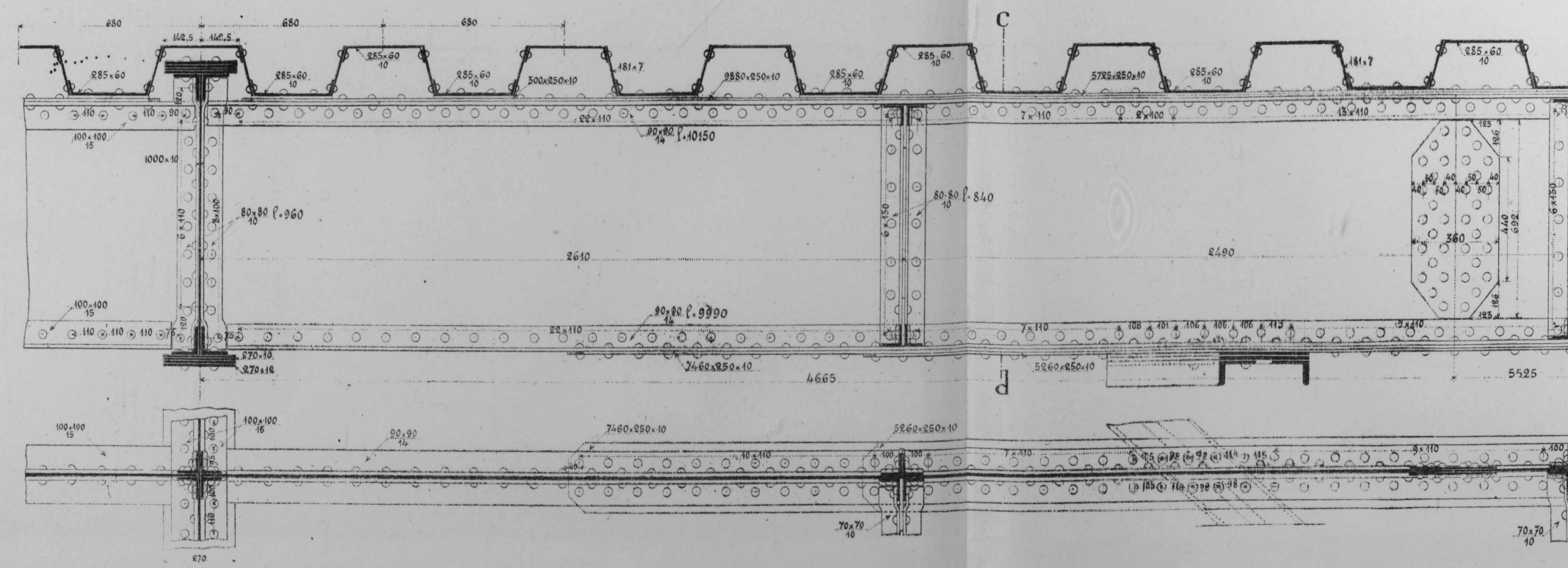
POD PESTE BORCEA LA FETESTI

Grinzi transversale

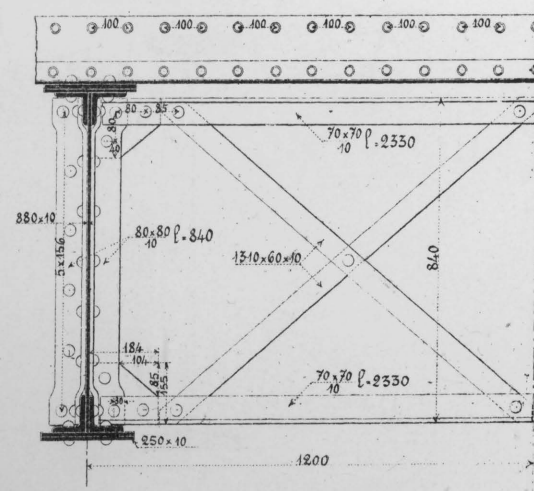
Modul 7



Lanoul VIII



Secția cd



Reazimul mobil

Aparatele de reazim pe pile

Reazimul fix

Elevație Secție prin A B

Vedere laterală

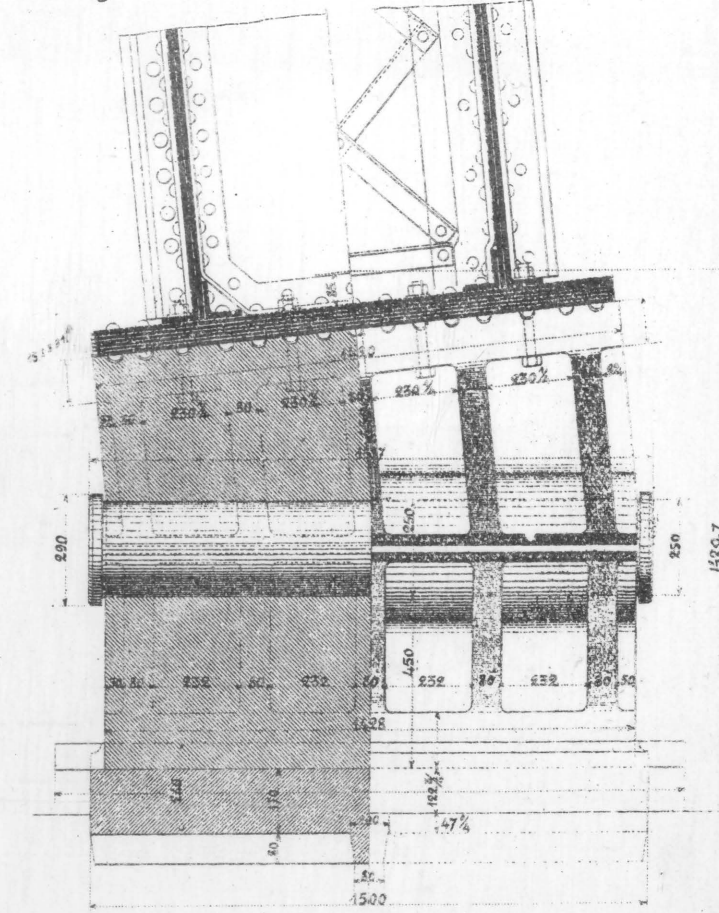
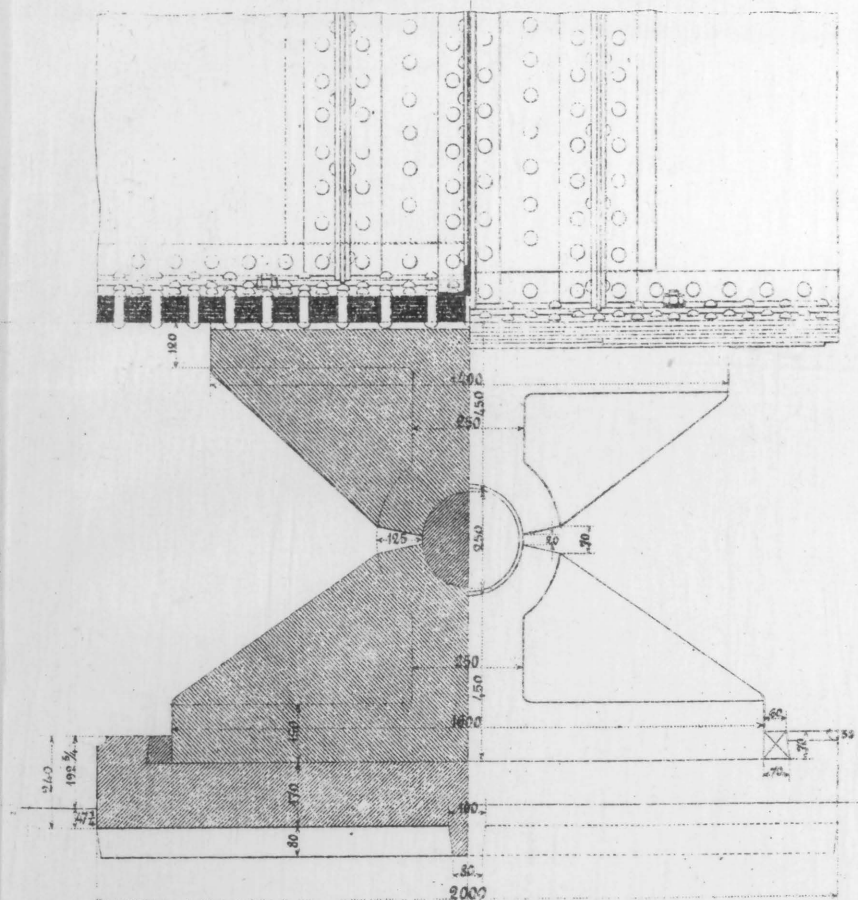
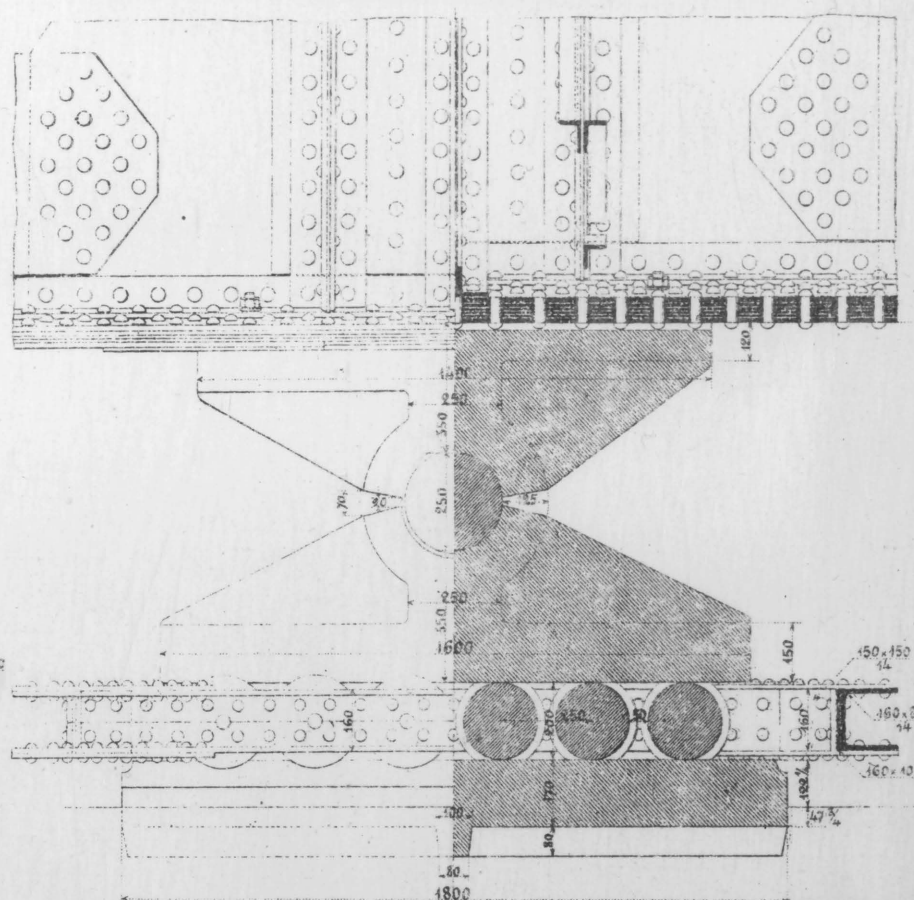
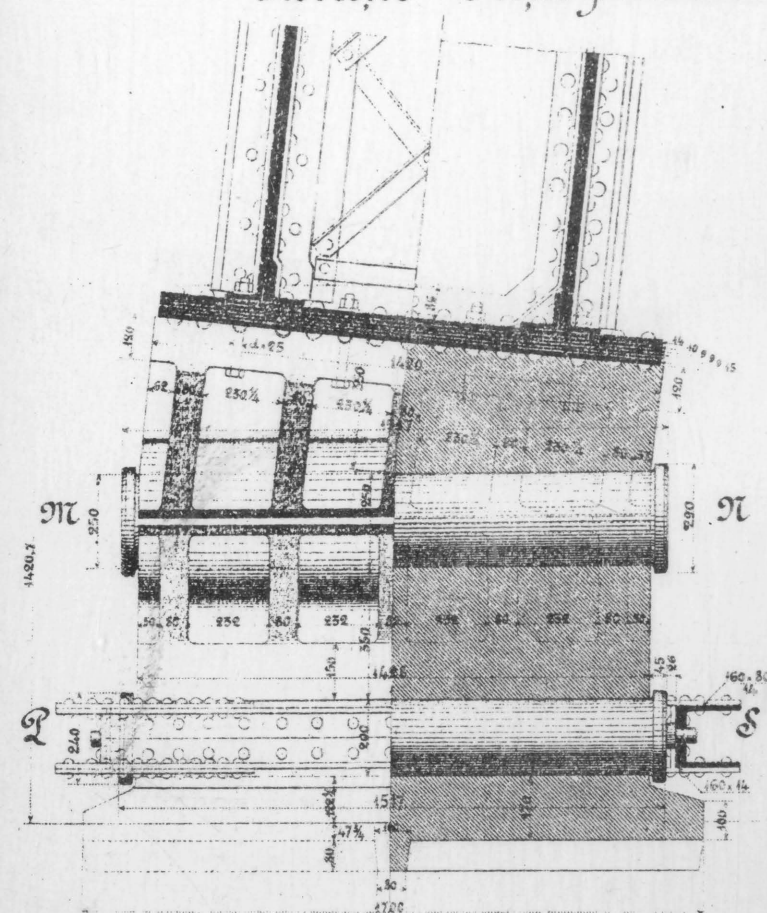
Secție prin C D

Secție prin G H

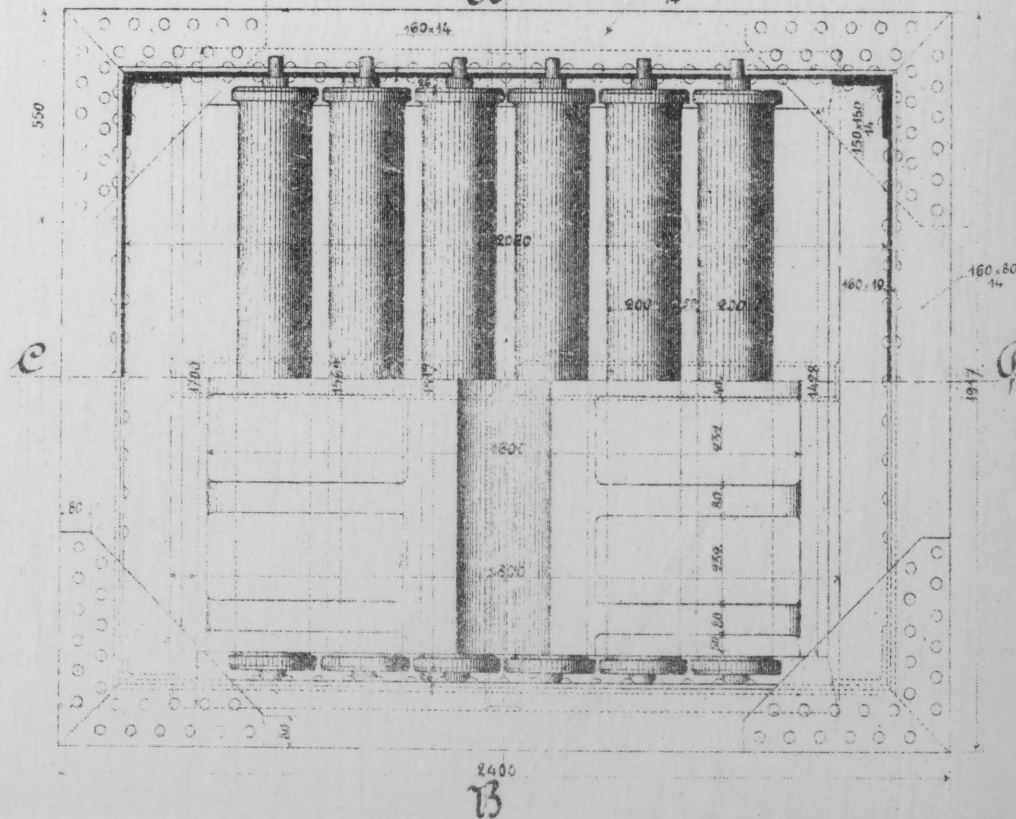
Vedere laterală

Secție prin E F

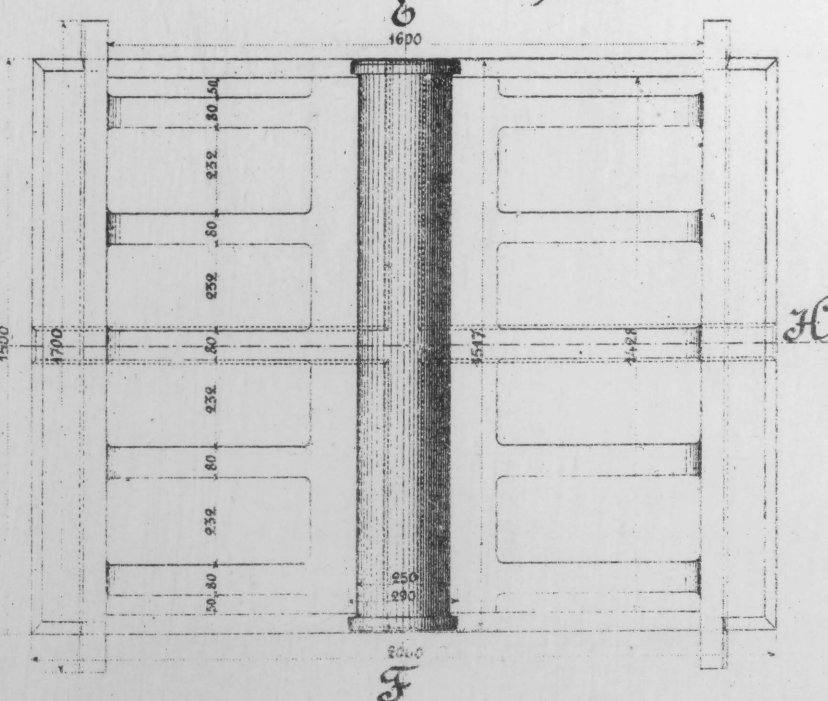
Elevație



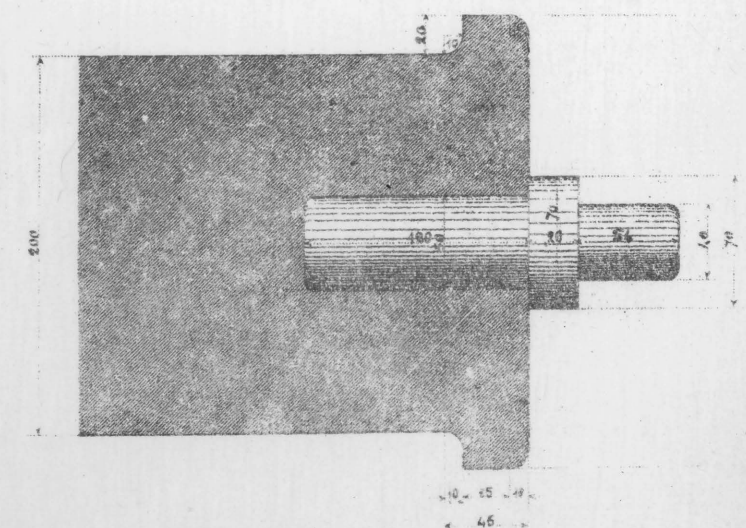
Secțiuni horizontale prin M N și P S



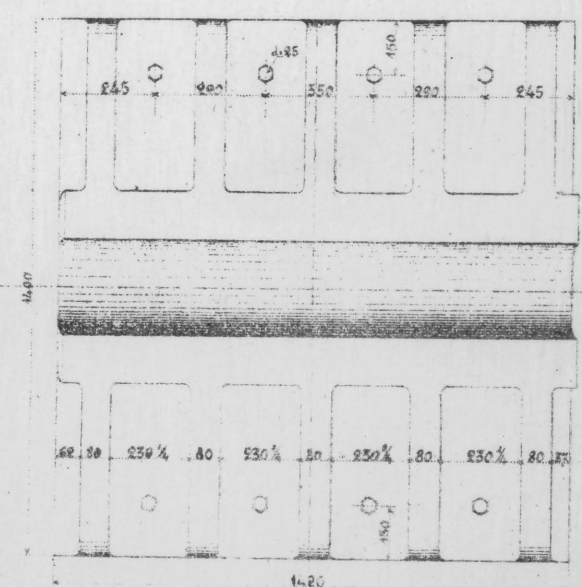
Planul plăcilor inferioare



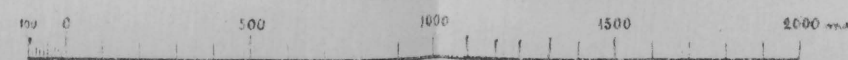
Detaliul capului unui rulou
Scala 1:2



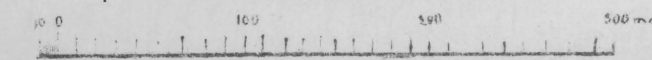
Planul plăcilor superioare



Scala



Scala

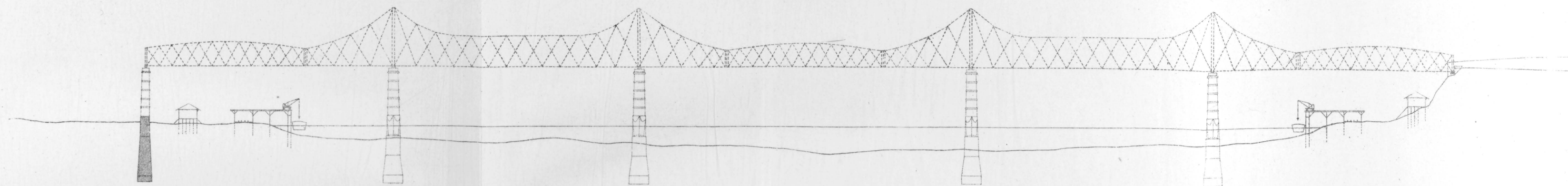


POD PESTE DUNARE LA CERNAVODA

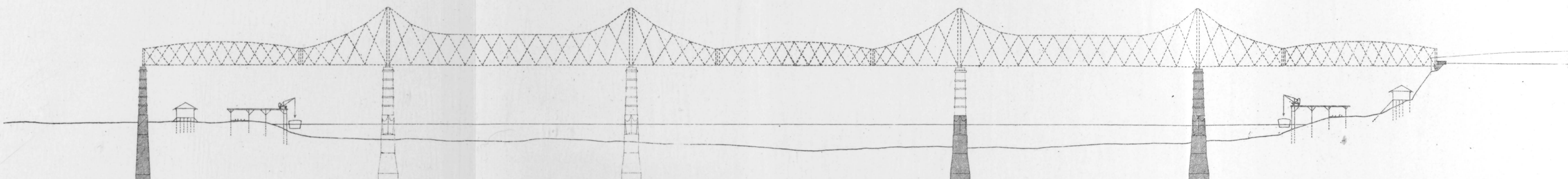
Anul 1890

PROGRAMUL EXECUTIUNEI

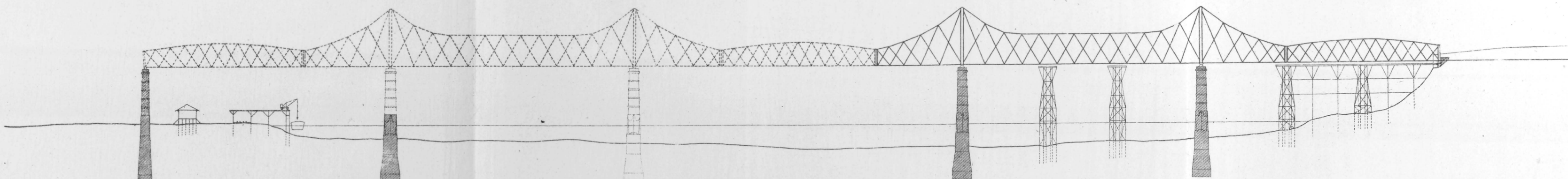
STAREA LUCRARILOR LA FINEA ANULUI 1890



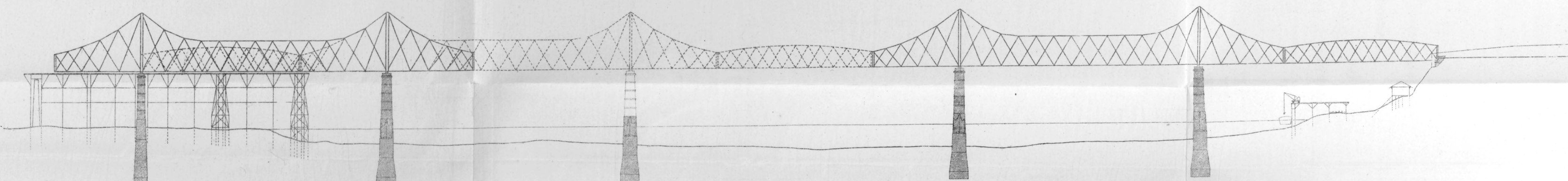
STAREA LUCRARILOR LA FINEA ANULUI 1891



STAREA LUCRARILOR LA FINEA ANULUI 1892



STAREA LUCRARILOR LA FINEA ANULUI 1893



STAREA LUCRARILOR LA FINEA ANULUI 1894

